Smart Living, Simply Exciting.

Product Catalogue 2020

homematic IP

Welcome
to the world of
homematic IP

08 | Central Control Unit, Access Point and app

14 | Heating and Climate Control

22 | Floor Heating Control

30 | Security and Alarms

38 | Light

44 | Shutter Control

48 | Switching and metering

54 | Actuators and adapters for brand switch systems

58 | Weather and environment

62 | Remote controls and push buttons

68 | Wireless devices for DIN rails

72 | Wired

84 | International product variants

88 | Accessories

eQ-3 AG
Maiburger Straße 29 | 26789 Leer, Germany
www.eq-3.com
www.homematic-ip.com

▶ Technical hotline:
+49 491 / 600 8 680
(Mon-Fri 09:00-18:00 CET)

▶ eQ-3 sales:
+49 491 / 600 8 600
(Mon-Thu 08:00-16:00;
Fri 08:00-15:00 CET)

Homematic IP provides a smart solution for automating everyday applications to suit personal needs.

THE SMART HOME SYSTEM

Homematic IP

The smart home system by the European market leader*

*Smart homes and home automation study (09/2019). Berg Insight concerning "whole home" systems.

Tenant or home owner, new build or retrofit – Homematic IP provides the perfect solution for anyone wishing to make life easier with a smart home. Homematic IP is the smart home system from European market leader* eQ-3 and, with more than 100 products and a wide range of functions, leaves no wish unfulfilled.

Looking to save on energy costs without compromising on comfort? Lighting should always ensure the right atmosphere and you want to sleep safer at night? **All devices and functions for climate control, security, light & shade, and weather can be flexibly combined with each other** and thus create additional security, comfort and time savings in everyday life.

The components required for this can be connected via wireless or cable connection. Wireless connection is the ideal way of retrospectively setting up a smart home in your house. The robust and reliable Homematic IP wireless protocol uses a frequency of 868 MHz, thus ruling out interference from WLAN, Bluetooth and other wireless standards within the 2.4 GHz range. For a new build or an overall refurbishment, the Homematic IP Wired bus system is often the first choice.

Whether wireless or bus-based, with Homematic IP the Internet of Things becomes a reality. After all, each device has its own IP address in accordance with the latest IPv6 internet standard. This ensures that you are perfectly prepared for the future since the devices are already directly addressable via the internet. Privacy and security are the top priority. **Homematic IP is the only smart home system that has been certified by the German Electrotechnology Association (VDE) for its protocol, IT and data security.**

A smart home tailored to your requirements

Homematic IP provides the perfect smart home solution for any situation:

- For a particularly simple and cost-effective starting point without internet connection, there are products available which can also function **without a Central Control Unit/Access Point**.
- The **Homematic IP Access Point** is the ideal choice if you want to set up your smart home quickly and easily via smartphone and control it while on the move.
- The **CCU2 and CCU3 Central Control Units** provide individual scope for design if you wish to implement a wider range of functions.
- The **CCU3 Central Control Unit combined with a partner solution** also allows you to incorporate numerous products from other manufacturers.

To use the Homematic IP Wired devices, the **Homematic IP Wired Access Point** is also required.

Homematic IP Access Point – a smart home easier than ever before

Download the app via the QR code, connect to the Access Point and get started on a smart home – that's how easy a smart home can be. Afterwards, use the free smartphone app (iOS and Android) to add additional products or to control your smart home. For even greater convenience, your home also listens for commands to the Amazon Alexa and Google Assistant voice assistants.

An internet connection also allows you to operate your Homematic IP smart home conveniently while out and about. Even without an internet connection however, the smart home performs its basic tasks reliably. Even destruction of the Access Point cannot harm the basic functions. The reason: The devices are directly connected to one another. Thus, for example, the heating and time profiles continue to run and the siren raises the alarm in the event of a break in.

A customised smart home with the CCU2/CCU3 Central Control Units

The CCU2 and CCU3 Central Control Units meet even the most specific of requirements and provide extensive options for combining Homematic IP and Homematic via central control unit programs. The Osram Lightify and Philips Hue lighting system gateways can also be directly incorporated into the browser-based interface and can be controlled as required.

The central control units are convenient to set up via the web browser. All settings and automations are then stored locally on the central control unit. During operation, the smart home even works fully without an internet connection. Your data and the entire smart home are protected against unauthorised access by the highest security standards.

The range of functions can also be expanded with third-party provider solutions, for example through partners such as mediola or Qivicon. With these, for example, you can access your smart home on the move or connect it to numerous products from other manufacturers.

The convenient entry-level solution without a smart home central control unit

A smart home does not necessarily need a central control unit, at least with Homematic IP. The products can also perform smart functions as stand-alone devices. For example, with the Homematic IP floor heating solution and the push-to-pair components. If more devices are added later, the solutions can easily be connected via a central control unit or Access Point to create a comprehensive smart home.

Absolute data security

When operated via the Homematic IP Access Point, single devices are configured by the Homematic IP cloud service, which is run solely on German servers. The cloud service is therefore subject to both European and German data protection guidelines. All data stored in the Homematic IP cloud is completely anonymous. No conclusions can be drawn about the user's identity and individual usage behaviour. All communication between the Access Point, the cloud and the app is encrypted. Since no private data, for example names, email addresses or mobile phone numbers, are provided during or after installation of the app, anonymity is also ensured here.

There are multiple ways to achieve your own personal smart home. You can decide: Looking for an easy way to get started? Then the heart of our system – the Access Point – is the perfect choice for you. Or are you already a smart home pro? Then find out more about our CCU3 smart home Central Control Unit here.

FOR BEGINNERS AND PROFESSIONALS

Central Control Unit, Access Point and app

The basis of your smart home system

The Homematic IP Access Point is the central element of the Homematic IP smart home system. It is simply connected to your standard router and serves as a fully-encrypted interface between the Homematic IP cloud with server location in Germany and the Homematic IP devices in your home. Since you are not asked for any personal data during installation, you remain anonymous as the user even though the system is based on a cloud solution.

Once the Access Point is connected to the internet, you can access all functions via the free smartphone app. The intuitive app presents a clear overview of all possible functions. New devices can also be connected in just a few steps using the app.

For smart home experts, there is also a central control unit: the CCU3 – it is the central element for local control of the Homematic IP smart home system. **Operation via the CCU3 Central Control Unit can be used as an alternative to the Homematic IP Access Point.** The CCU3 Central Control Unit works locally only via a browser-based web interface (WebUI). Thanks to local configuration and operation, and the option to create direct device connections, reliable and failsafe operation of the smart home system is ensured at all times – even in the event of internet failures.

You have numerous individual configuration and control options available via the tried-and-tested WebUI. The CCU3 also enables the **combination of devices from the Homematic, Homematic IP and Homematic IP Wired ranges.**

GATEWAY OR CENTRAL CONTROL UNIT?

Choosing the right central control unit is the first step to getting started in your smart home. Depending on your requirements, you can choose between the **Homematic IP Access Point and the CCU3 Smart Home Central Control Unit**. To make choosing the right control unit for your smart home easier, you will find an overview of the key information here.

Homematic IP Access Point

New to smart homes? Want to get started in the world of Homematic IP quickly and easily? Then the Access Point with free smartphone app is the perfect solution for an intuitive introduction.

80

max. 80 devices can be connected

free smartphone app

unlimited cloud storage

400

400 wireless channels[1]

8 GB

8 GB Flash memory

WebUI browser interface or partner solutions

CCU SMART HOME CENTRAL CONTROL UNIT

Already have experience with the world of smart homes? Are your requirements unique and is more complex programming and the use of partner apps not a problem for you? Then you should take a closer look at the CCU3 Smart Home Central Control Unit. The CCU3 is the latest generation of the tried-and-tested predecessors, the CCU and CCU2, and is the central control unit for smart home experts.

	Access Point	CCU3 Smart Home Central Control Unit
Supports Homematic wireless devices	✕	✓
Supports Homematic IP wireless devices	✓	✓
Supports Homematic Wired devices	✕	✓[2]
Supports Homematic IP Wired devices	✓[3] (available in the future)	✓[3]
Optional extension interface	✕	✓
Compatible with Amazon Alexa	✓	via various partner solutions
Compatible with Google Assistant	✓	✕
Compatible with OSRAM LIGHTIFY WLAN gateway	✕	✓
Compatible with Philips HUE Bridge (from 2.0)	✕	✓

[1] Since the number of wireless channels differs in the various device versions (e.g. switch actuator or wall-mount remote control), 100 to 120 wireless devices and 127 wired devices can typically be connected.

[2] In conjunction with the Homematic Wired RS485 LAN Gateway (HMW-LGW-O-DR-GS-EU).

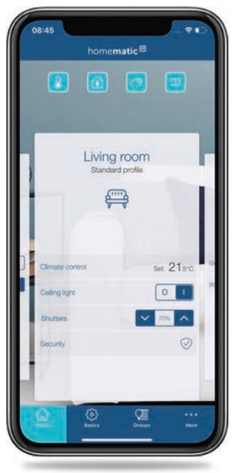
[3] In conjunction with the Homematic IP Wired Access Point (HmIPW-DRAP).

HAP | ACCESS POINT

THE HEART OF THE SYSTEM

- Connects the smartphone to the Homematic IP devices via the Homematic IP cloud
- Device is connected via network cable to a standard router
- No personal data required, secure server location in Germany
- Cloud access without recurring costs
- Easy installation with intuitive user guidance

Product ref.
140887A0



FREE SMARTPHONE APP

- Controls the Homematic IP system at any time and from any place
- Easy and guided installation and configuration of the Homematic IP system
- Reliable monitoring and alarming for increased security in your own four walls
- Encrypted communication from the very beginning via AES-128, CCM and RFC3610 – effective protection against attacks by third parties
- Operation of the Homematic IP cloud only via German servers
- Requires no personal data

Download on the App Store

GET IT ON Google Play

Product ref.
151965A0

THE CENTRAL CONTROL UNIT FOR SMART HOME PROFESSIONALS

- High-performance central control unit for local and convenient control of your smart home
- Connects and combines the wide range of Homematic IP and Homematic devices
- Numerous and individual configuration and control options using the tried-and-tested WebUI user interface via web browser
- Supports Homematic IP and Homematic wireless components as well as wired devices
- Integration of Philips Hue and Osram Lightify lamps directly via the manufacturer gateway
- Free Mediola license

CCU3 | CENTRAL CONTROL UNIT

Open system

ALSO OPEN TO OTHER SMART PRODUCTS AND SERVICES

Homematic IP is also compatible with many devices and services from other manufacturers. This gives you virtually infinite options and functions for your smart home. **For example, expand your smart home with the IP camera from Smartfrog,** which you can connect via the Homematic IP app. Also works with the **voice assistants Amazon Alexa and Google Assistant.** You can also conveniently control your Homematic IP smart home with voice commands.

The **Conrad Connect** platform allows all Conrad Connect partner devices to be connected to one another. **This expands the compatibility of Homematic IP by some 100 devices from well-known manufacturers** such as Philips Hue, Nokia Health and Android. The AIO CREATOR NEO (CCU3) from Mediola also offers expansion possibilities. The all-in-one smart home solution connects Homematic IP components to devices of different brands and radio standards via the CCU3 within a customisable app interface.

WORKS WITH alexa

mediola®

AIO CREATOR neo

works with Google Assistant

smartfrog

It is a cold, damp November evening and you head home from work in the rain.

You arrive at last, enter your home and enjoy your preferred temperature in every room.

PRETTY SMART, HUH?

Heating and Climate Control

Come home and feel comfortable

The bathrooms should be pleasantly warm, the bedroom a little cooler and in the lounge, 23 degrees would be ideal. With Homematic IP, you can set your radiators to just the right temperature for you. Room by room and according to the time of day using various heating profiles. **And doing so can save you up to 30% on energy costs – since the heating is automatically turned down based on your individual setting.**

You can also control the room temperature automatically using the radiator thermostats and a wireless wall thermostat via preset heating profiles, or conveniently via the app, even while you are out and about.

Are you frequently out for longer periods or away on trips? Simply set the system to holiday mode and turn your heating down for a predefined period so it is energy efficient.

Homematic IP also provides products for your floor heating. The system detects the required heat for single rooms and intelligently circulates the hot water into multiple heating zones.

Particularly useful: Homematic IP products are connected to one another automatically as soon as you assign them to the same room in the app. Thus for example, the window and door contact detects open windows and automatically lowers the heating.

RADIATOR THERMOSTATS

- **Replace conventional thermostats** and control radiators according to your individual needs
- **Energy savings of up to 30%** as a result of demand-based heating through heating profiles and automatic temperature reduction during ventilation
- **Easy installation on valves with M30 thread*** with no need to drain water or to intervene with the heating system
- **Control the room temperature flexibly** and easily by app – whether at home or on the move – or conveniently via voice control (Amazon Alexa / Google Assistant)

Product ref.
151239A0

THE CURRENT TEST WINNER

- Ideal for use in small businesses, offices and medical practices, etc. Closed housing, thereby preventing any unwanted operation or manipulation on the device
- Individual temperature profiles can easily be created via the app – with up to 3 configurable heating profiles and 13 changes per day

eTRV-C | RADIATOR THERMOSTAT
– compact

SK1 | STARTER SET CLIMATE CONTROL

STARTER SET

SIMPLE INTRODUCTION TO SMART HEATING AND ENERGY SAVING

SK1 | STARTER SET CLIMATE CONTROL

Includes:
Access Point | HAP
Radiator Thermostat | eTRV-2
Window / Door Contact – optical | SWDO

Product ref.
142546A0

Product ref.
153412A0

THE ENTRY-LEVEL MODEL

- Stand-alone operation without Access Point and direct connection is possible, e.g. to window/door contact with magnet (see page 34)
- Manual operation via buttons:
  Configuring the heating profiles, temperature changes and triggering of the boost function for rapid heating of the room

eTRV-B | RADIATOR THERMOSTAT
– basic

PUSH to PAIR

The “push-to-pair” feature enables direct connection with the wall thermostat – basic and the window / door contact with magnet

The radiator thermostat – basic is not available via the specialist dealer network

eTRV-2 | RADIATOR THERMOSTAT

THE BESTSELLER

- Individual temperature profiles can easily be created via the app – with up to 3 configurable heating profiles and 13 changes per day
- Manual operation using the control wheel:
  Temperature changes and activating the boost function (heating up the radiator quickly) are performed on the device directly

Product ref.
140280A0

*Compatible with other valves when additional adapters fitted

WALL THERMOSTATS

- **Measures the temperature and humidity** in indoor areas
- **Time-controlled regulation of the room temperature** in conjunction with Homematic IP Radiator Thermostats, Homematic IP Floor Heating actuators and Homematic IP Pluggable Switches
- **Flexible installation possible** – with double-sided adhesive tape, with screws and plugs, or directly on a flush-mounted box
- **Can easily be integrated into existing switch ranges** with 55 mm frames from leading manufacturers: Berker, Busch Jaeger, GIRA, Merten, JUNG and ELSO

Product ref.
150181A0

UNOBTRUSIVE TEMPERATURE MEASUREMENT

- For accurate temperature monitoring in rooms where visual monitoring is not necessary

STH | TEMPERATURE AND HUMIDITY SENSOR – indoor

WTH-2 | WALL THERMOSTAT WITH HUMIDITY SENSOR

FOR FULL CONTROL

- Enables manual setting of the room temperature
- Large display with white backlighting
- Setup and configuration of floor heating is also possible on the wall thermostat directly (without a Homematic IP Access Point or CCU2/CCU3)

Product ref.
143159A0

Product ref.
150628A0

Product ref.
150697A0

IDEAL FOR ANY FLOOR HEATING

- By replacing existing wall thermostats, conventional floor heating systems can easily be upgraded to smart climate control
- Individual control of 24 & 230 V valve drives for floor heating via Triac output in accordance with the defined heating profiles
- Easy to install in an existing flush-mounted box

BWTH | WALL THERMOSTAT WITH SWITCHING OUTPUT FOR BRAND SWITCHES

STHD | TEMPERATURE AND HUMIDITY SENSOR WITH DISPLAY – indoor

EVERYTHING AT A GLANCE

- Enables an overview of temperature and humidity
- Prevents unauthorised operation of the heating

Product ref.
150180A0

BWTH24 | WALL THERMOSTAT WITH SWITCHING OUTPUT FOR BRAND SWITCHES, 24 V

WTH-B | WALL THERMOSTAT
– basic

LARGE DISPLAY

- Individual temperature profiles with up to 13 changes per day in 3 or 6 adjustable heating profiles (3x heating/3x cooling)
- Large LCD display and easy to operate buttons
- Boost function for increasing the room temperature quickly and briefly via radiators
- Stand-alone operation (push-to-pair) possible even without an Access Point: manual operation and direct connection possible to the radiator thermostat – basic, window/door contact with magnet and floor heating actuators

Product ref.
154666A0

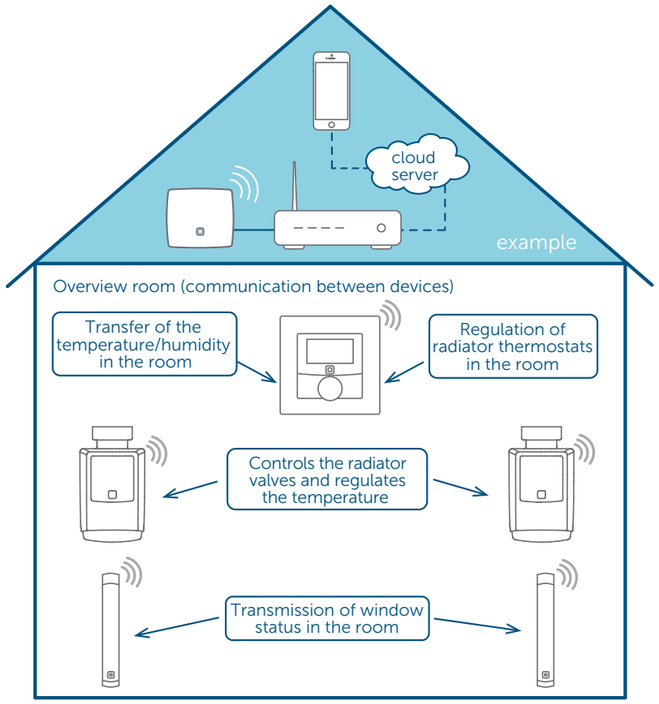
PUSH toPAIR

The “push-to-pair” feature enables direct connection with the wall thermostat – basic and the window/door contact with magnet

The radiator thermostat – basic is <u>not</u> available via the specialist dealer network

THE TEMPERATURE ALWAYS AT A GLANCE

The wall thermostat measures the temperature and humidity and continually transmits this information to the radiator thermostats in the room and to the Homematic IP app. That way, the actual temperature and humidity in each room are visible via the app at any time.

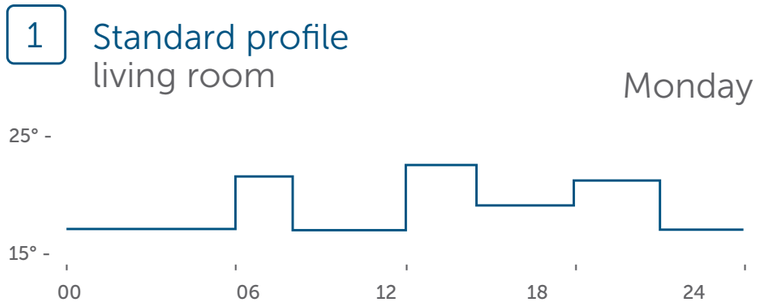


With Homematic IP, wireless installation is a breeze thanks to battery operation and wireless communication. This means the thermostat can be placed anywhere in the room to measure the room temperature in the right place. Even conventional, electric radiators can be easily upgraded in conjunction with the wall thermostat and a switch actuator for smart and accurate regulation.

INTELLIGENT CONTROL

Individual temperature profiles can easily be created via the app – with up to 3 configurable heating profiles and 13 changes per day. This makes temperature control fully automatic and heating **is only activated when energy is needed.** The temperature can be set manually and accurately in 0.5 °C increments on the wall thermostat directly. With the boost function, the room can be heated up quickly at the push of a button.

The room temperature is controlled in accordance with the user's individual requirements: directly on the device, easily via the app, whether at home or on the move, or conveniently via voice control (using Amazon Alexa or Google Assistant).



Standing barefoot in front of the mirror in the bathroom, stepping out of the bath or shower and feeling the warmth beneath your feet – your floor heating makes that possible. Homematic IP makes your floor heating solution smart.

COSY, WARM FLOORS

Floor Heating Control
Smart floor heating

The desire for a modern floor heating system is not a huge undertaking anymore. **With the Homematic IP floor heating control solution, you can simply upgrade your existing floor heating system.** Thanks to wireless communication, you do not need to lay any new cables for this either.

Since all the necessary devices can be put into operation directly on the construction site, even without an internet connection, the products are also suitable for new builds. Works to the electrical installation are done quickly with the help of a specialist installer.

Quick check:

- **Heating control** for floor heating systems and other water-based surface heating systems, e.g. wall heating systems.
- **More efficient use** of the heating system thanks to advanced control algorithms, also adapted to different floor structures.
- **Accurate adjustment of the desired temperature** – compared to conventional control systems,there are almost no temperature variations in the room.
- **Individual heating profiles** for demand-based room-by-room heating.
- Reliable, secure **wireless communication** with Homematic IP.
- **Easily integrated** into your existing Homematic IP system.
- Operation is either stand-alone (without a central control unit), with a Homematic IP Access Point, including free smartphone app and free cloud service, or via the CCU2/CCU3 Central Control Unit with local WebUI user interface.

Modern, radio-based floor heating

Users who have decided to install a floor heating system want to use an efficient form of heating – and to do so on a long-term basis. But if the installation is already several years old and no longer state of the art, users are often confronted with the question: Modernisation, yes or no?

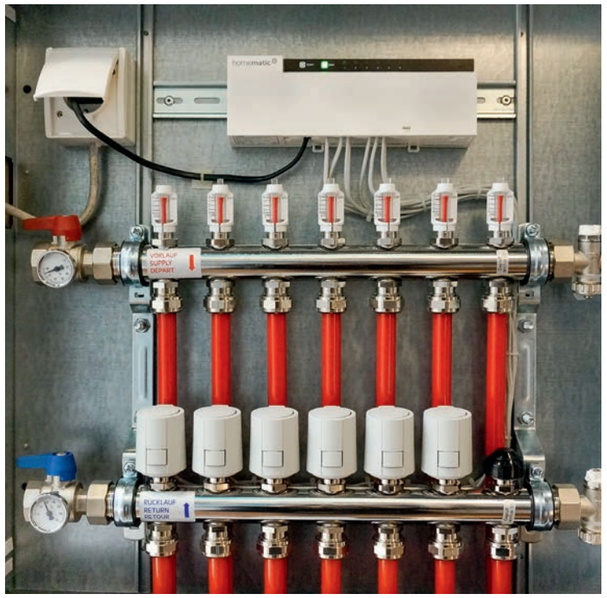
The desire for a modern floor heating system will no longer be a large-scale project in the future. Due to its radio communication, Homematic IP is easily retrofitted, without having to lay new cables. This type of floor heating control is appropriate for new buildings, as all necessary devices can be put into operation even without an internet connection, directly on the construction site. Your professional installer will gladly help you with any works on the heating system.

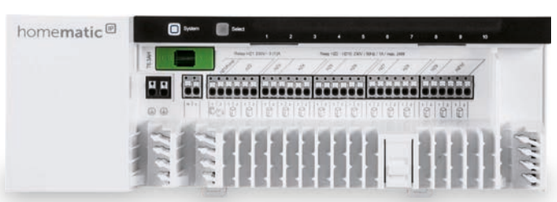
MOTORISED FLOOR HEATING CONTROL

- When combined with motorised valve drives, the motorised Homematic IP Floor Heating Actuator enables **continuous and steady regulation of the floor heating.** There is then no need for hydraulic adjustment.
- With infinitely variable regulation of the heating water flow, the actuator enables precise temperature control and efficient utilisation of the boiler. **This saves energy and electricity costs.**
- The actuators are suitable for all water-based floor heating systems and **can easily be connected to existing heating manifolds.** The floor heating can be set up and controlled intuitively via the Homematic IP app.

BENEFITS OF FLOOR HEATING CONTROL WITH HOMEMATIC IP

- Most advanced control algorithms ensure high energy efficiency, also adjusted to different floor structures
- Accurate adjustment of the desired temperature – compared to conventional control systems there are almost no temperature variations in the room
- Heating control not only for floor heating systems, but also for other water-based floor heaters like wall heaters, for example
- Individual heating profiles for demand-based room-by-room heating
- Reliable and secure radio communication with Homematic IP
- Controllable via the free smartphone app – thus making heating control even more convenient both at home and on the move





Product ref. 153621A0

THE LATEST GENERATION OF FLOOR HEATING CONTROL

- Via thermal actuators (open/closed), the combination of floor heating actuator and motorised valve drives (HmIP-VDMOT) enables continuous and steady regulation of the floor heating
- Instead of the 3 to 5 W per heating circuit common in other systems, this continuous regulation only requires 0.2 W to control the temperature throughout the house*

FALMOT-C12 | FLOOR HEATING ACTUATOR
– 12 channels, motorised

Product ref. 153309A0

ECONOMICAL AND PRECISE

- Continuously variable control of heating valves for convenient climate control
- By adjusting the position of the valve, the flow rate of the heating water is controlled almost continuously. This enables more efficient use of the boiler and more precise temperature regulation compared to conventional radiator thermostats
- Control via the Homematic IP Floor Heating Actuator – 12 channels, motorised (HmIP-FALMOT-C12) in combination with a Homematic IP Thermostat

VDMOT | VALVE DRIVE
– motorised

*Fraunhofer Institute: Evaluation measurement campaign FALMOT, 26/02/2019

SOLUTIONS FOR A WARM FLOOR

FAL230-C6 | FLOOR HEATING ACTUATOR
– 6 channels, 230 V

- Homematic IP provides floor heating actuators for 230 & 24 V operation in 6 and 10 channel versions for 6 or 10 heating zones
- The floor heating actuators enable the efficient heating and cooling of rooms via floor surfaces
- Individual temperature profiles with up to 13 changes per day in 6 adjustable heating profiles (3 x heating/3 x cooling)
- Provide a continuous flow of heating water automatically and therefore ensure constant, and efficient, utilisation of the central heating
- Most advanced control algorithms for all kinds of water-based floor heating systems
- Connection to the Homematic IP Multi IO Box for controlling boilers or switching between heating and cooling
- Every second heating zone is equipped with two clamp terminals. Thus, two heating circuits can be connected to one heating zone
- Easy installation with supplied screws or via DIN rail mounting
- **SUITABLE FOR:**
  24 V and 230 V valve drives (see page 91)

Product ref.
142974A0

FAL230-C10 | FLOOR HEATING ACTUATOR
– 10 channels, 230 V

Product ref.
142981A0

FAL24-C6 | FLOOR HEATING ACTUATOR
– 6 channels, 24 V

Product ref.
143237A0

FAL24-C10 | FLOOR HEATING ACTUATOR
– 10 channels, 24 V

Product ref.
143238A0

RELIABLE POWER SUPPLY

- Power supply for Homematic IP Floor Heating Actuators with 24 V (HmIP-FAL24-C6 and HmIP-FAL24-C10)
- Easy installation on standard DIN-rails
- Quick start-up thanks to pre-assembled connection cables

FAL24-TR | TRANSFORMER FOR FLOOR HEATING ACTUATORS
– 24 V

Product ref.
150646A0

Product ref.
142988A0

UNIVERSAL SWITCH ACTUATOR

- For switching of heating pumps, circulation pumps, boilers, electric radiators and other consumers via two channels
- Smart switching of the central heating enables demand-based heat regulation for efficient use of the heating energy
- Can be used as heat demand relay for controlling heating pumps in conjunction with radiator thermostats or floor heating actuators

WHS2 | SWITCH ACTUATOR FOR HEATING SYSTEMS
– 2 channels

THE ALTERNATIVE CONTROL UNIT

- For switching of heating pumps, circulation pumps, boilers, electric radiators and other consumers
- Can be used with up to four floor heating actuators even without a Homematic IP Access Point or CCU2/CCU3 Central Control Unit
- Enables switching between summer and winter mode – in other words, heating and cooling is configured by a corresponding switching output and input
- **SUITABLE FOR:**
  DRA | DIN-rail adapter
  for Multi IO Box (see page 91)

MIOB | MULTI IO BOX

START AT A LOW PRICE POINT – EXPAND AT ANY TIME

STAND-ALONE*

All the features provided by an integrated floor heating solution and still less expensive than simple, wired switching regulator systems.

Wall Thermostats / Temperature Sensors

Valve Drives (24 or 230 V)

Valve Drive – motorised

Multi IO Box

Floor Heating Actuator

or

Floor Heating Actuator – motorised

Wall Thermostat with switching output (24 or 230 V)

Valve Drives (24 or 230 V)

HOMEMATIC IP SMART HOME – CONFIGURATION AND OPERATION VIA APP*

Expansion into a smart home system with Homematic IP Access Point, cloud and free smartphone app for iOS and Android.

Access Point

Wall Thermostats / Temperature Sensors

Floor Heating Actuator

or

Floor Heating Actuator – motorised

Multi IO Box

Switch Actuator for Heating Systems

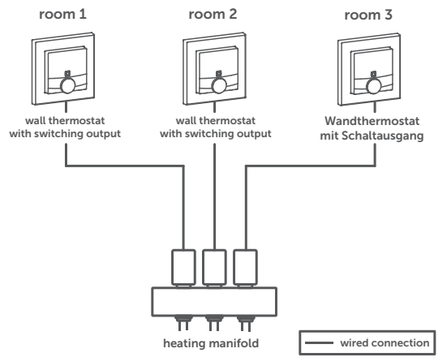
Homematic IP Devices (Selection)

*The expansion stages described above are examples. The possible device configurations (number of rooms/heating zones) and the product range can be changed as required.

APPLICATION EXAMPLES

Homematic IP offers multiple possibilities for installing a smart floor heating control system or for the modernisation of an existing solution. The following applications demonstrate different installation possibilities. Please refer to the Homematic IP User Guide (available for download at www.homematic-ip.com) for various alternative examples. When using the Homematic IP Access Points or the CCU2/CCU3 Central Control Unit, it is possible to control the system via free smartphone app (Homematic IP) or the browser-based interface (WebUI).

USE OF WALL THERMOSTATS WITH SWITCHING OUTPUT



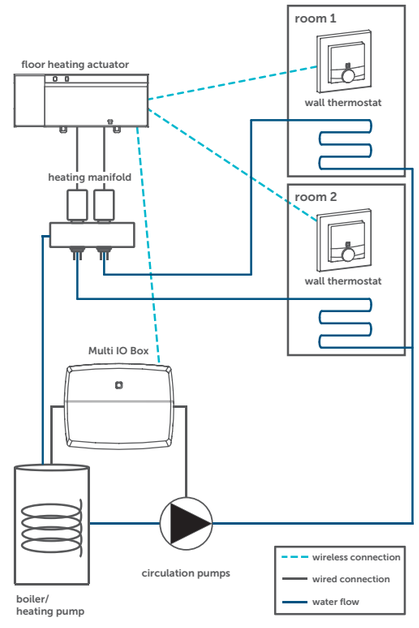
Installation:

- Replacement of conventional, wired room thermostats with Homematic IP wall thermostats with switching outputs

Benefits:

- Modernisation of the existing floor heating system is achieved quickly and in a cost-efficient way by easily replacing the conventional room thermostats
- No works are required on the heating system to retrofit the thermostats
- The 24 V version of the wall thermostat offers completely silent operation

WALL THERMOSTATS, FLOOR HEATING ACTUATORS AND THE MULTI IO BOX



Installation:

- Connection of the valve drives of the heating manifold to a floor heating actuator
- Connection of the Multi IO Box to the boiler and/or heating pump
- Direct connection between the Multi IO Box, floor heating actuator and the wall thermostat/ temperature and humidity sensors in the rooms

Benefits:

- Installation without any need for wiring work in the rooms due to the reliable radio communication
- Efficient utilisation of the heating system with automatic load balancing and continuous flow of heating water
- In addition to the floor heating control, the heating pump or boiler can also be controlled according to the current heat demand

Want to feel safer at home but also have no worries about doors and windows left open while out and about? The Homematic IP security-related products make your home safer!

ALWAYS ALARMED, EVERYWHERE!

Security and Alarms

Be smart and feel safe at home

The security and alarm products make life difficult for burglars and your home more secure:

- **Door and window contacts** alert you when doors and windows are opened without authorisation. Either with an acoustic signal via the wireless alarm siren or as a push notification on your smartphone.
- **Motion detectors** offer reliable monitoring in inside and outside areas.
- **Water sensors** alert you when moisture is detected and there is risk of water damage, for example in bathrooms, kitchens or cellars.
- **Smoke alarms** networked throughout the house ensure the early, interference-free detection of fires.

Easily enable protection mode for your smart home via the app or the Key Ring Remote Control – in either presence mode or absence mode. With presence mode enabled, the alarm system is triggered as soon as windows or doors are opened, even if you are in the building. This mode is therefore perfect for when you are home so you can go to sleep with peace of mind for example.

With absence mode activated, sensors are also included for inside the home. Movements will then be recorded via motion detectors. Even if the Access Point is damaged or if there is no internet connection, reliable monitoring and local alarms are still provided.

STARTER SETS

EASY INTRODUCTION FOR SECURE ALARMING

- Includes:
  Access Point | HAP
  Alarm Siren | ASIR
  Window and Door Contact – optical | SWDO
  Motion Detector – indoor | SMI

Product ref.
153348A0

Product ref.
150788A0

SK7 | STARTER SET ALARM

THE INTRODUCTION TO GREATER SECURITY

- Includes:
  Access Point | HAP
  3 x Smoke Alarm with Q label | SWSD
- Reliable detection of dangerous smoke gas via three radio Homematic IP high-quality smoke alarms and AES-128 security
- Alarms are transferred directly between the up to 40 connected Homematic IP smoke alarms – this makes communication especially immune to interference throughout the entire house

SK4 | STARTER SET SMOKE ALARM

ALARMING FOR HUMIDITY AND WATER

- Includes:
  Access Point | HAP
  Alarm Siren | ASIR
  Water Sensor | SWD
  - Reliable monitoring and alarming for humidity and water penetration
  - The water sensor triggers an alarm if humidity or a water level of higher than 1.5 mm is detected – ideal for monitoring bathrooms or cellars

Product ref.
153405A0

SK8 | STARTER SET WATER ALARM

SWITCHES LIGHTS WHEN PASSING BY

Product ref.
151159A0

- Reliably detects people passing a door and is able to register the number of people as well as the passage direction
- In conjunction with other Homematic IP devices lights can be switched on when entering a room and they are switched off when leaving a room, depending on the predefined passage direction

SPDR | PASSAGE SENSOR WITH DIRECTION RECOGNITION

VIGILANT AND SUBTLE

Product ref.
142722A0

- Reliably detects movements as well as light intensity with an integrated brightness sensor
- Multiple possible uses in conjunction with other Homematic IP devices, e.g. for **lighting control** and **alarm functions**
- Optimum detection range of up to 12 m and a detection angle of approx. 105°
- The compact housing is ideal for indoor use, particularly due to its flexible mounting on walls, ceilings, in corners or on the supplied stand

SMI | MOTION DETECTOR WITH BRIGHTNESS SENSOR – indoor

WINDOW / DOOR CONTACTS

- **Reliably detect the opening and closing of windows and doors**
- **The room temperature is reduced automatically** during ventilation in conjunction with the **Homematic IP Radiator Thermostat**
- On request, e.g. when combined with the Homematic IP Alarm Siren, **an alarm can be triggered** as soon as a window or door is opened
- **Easy to install:** e.g. also possible with adhesive strips – therefore even ideal for rented accommodation

SWDO-I | WINDOW / DOOR CONTACT
– invisible installation

CONCEALED WINDOW MONITORING

- Concealed installation in plastic window or door frames. Not visible when the door or window is closed and therefore particularly inconspicuous
- Detection via an integrated infrared light barrier
- Battery life span of 4 years

Product ref.
151039A0

SWDM | WINDOW / DOOR CONTACT
with magnet

SIMPLY MAGNETIC

- Open window detection via a magnetic contact
- All-rounder: Suitable for all door and window models
- Battery life span of 4 years

Product ref.
151363A0

The "push-to-pair"-feature enables direct connection with the radiator thermostat – basic and the wall thermostat – basic

The window / door contact with magnet is <u>not</u> available via the specialist dealer network

MUST HAVE

- Individual design supplied with caps in white or brown
- Integrated infrared light barrier

Product ref.
140733A0

SWDO | WINDOW / DOOR CONTACT
– optical

EXTRA-LONG BATTERY LIFE

- Inherits all properties from the window / door contact – optical but with twice as long battery life (typically 4 years)
- Integrated infrared light barrier

Product ref.
153734A0

SWDO-PL | WINDOW / DOOR CONTACT
– optical, plus

EVERYTHING UNDER CONTROL

- Detects and reports open, tilted or closed windows based on the position of the window handle
- Flexible applications: For example, can lower the room temperature during ventilation and trigger an alarm in the case of unauthorised open windows and doors
- Fits to all standard window handle models and its compact design makes the device subtle and inconspicuous
- Practical operation with batteries and adaptation to the window handle thanks to different caps

Product ref.
142800A0

SRH | WINDOW HANDLE SENSOR

ASIR-2 | ALARM SIREN

LOUD INDOOR ALARMING

- Audible and visual signal output in alarm cases via Piezo speakers and LEDs
- Early warning thanks to loud acoustic signal with ≥ 90 dB (at distance of 1 m) and red LED signal lights
- Optional acoustic signals for activating and deactivating the security solution
- Different acoustic signals and the alarm duration can be defined
- Tamper contact detects manipulation or unauthorised removal

Product ref.
153825A0

Product ref.
153149A0

IDEAL FOR EXISTING SENSORS

- Small contact interface, e.g. for integration of conventional glass break sensors or magnet contacts into the Homematic IP smart home system
- Reliable monitoring of windows or doors in conjunction with connected contacts via the Homematic IP smartphone app – even while on the move
- Long battery lifetime of up to 4 years and stand-alone operation without connection to the power supply

SCI | CONTACT INTERFACE

ASIR-O | ALARM SIREN
– outdoor

LOUD AND LONG-LASTING

- High-performance alarm siren for reliable acoustic and visual signalling in outdoor areas (e.g. in the event of burglary)
- Early warning via two Piezo speakers with 100 dB and striking LED signal lamps
- Long-lasting power supply via solar cell in conjunction with three rechargeable NiMH batteries – sufficient energy is saved for reliable operation even at night or on cloudy days
- Loud alarming, e.g. in conjunction with a Homematic IP Motion Detector or a Homematic IP Window / Door Contact if the house is entered by unauthorised persons

Product ref.
153208A0

Product ref.
142685A0

SMART SMOKE ALARM

- Optical scattered-light smoke alarm with Q label. Certified according to EN 14604 and vfdb 14-01 by the KRIWAN test centre
- Early detection of dangerous smoke gas development and alarm triggered via the loud siren
- No maintenance required thanks to a sealed battery with a battery lifetime of 10 years

SWSD | SMOKE ALARM
with Q label

SWD | WATER SENSOR

ALARM FOR MOISTURE AND HUMIDITY

- Reliably detects the penetration of humidity in various substrates and a water level above 1.5 mm
- An alarm is triggered in case of humidity and water via the integrated water sensor siren and, optionally, via the alarm siren, and is displayed in the Homematic IP app
- With the integrated tilt sensor, unintended movement or manipulation of the water sensor is detected and reported immediately

Product ref.
151694A0

CERTIFIED SMOKE ALARM

KRIWAN TESTZENTRUM

- **The first smart smoke alarm with the Q label seal of quality from the KRIWAN test centre:** The independent mark of quality reflects the highest standards of quality and security.

Wouldn't it be nice to be woken up gently in the mornings? With the free Homematic IP app, you can dim up your bedside lamp gradually from 0 to 100% in 20 minutes so you can slowly get used to the brightness. That makes getting up so much more pleasant.

SMART START INTO THE DAY

Light
Smart lighting

Light is more than just lighting. Light creates atmosphere and can transform your house into a cosy home. The Homematic IP lighting products enable you to create a custom lighting scenario in each room which you can control as needed and you can change at any time.

Lights are usually activated with a light switch. With Homematic IP, you no longer even need to get off the sofa. You can switch and dim your light conveniently via the smartphone app, using voice commands, or by remote control. In any room and as required for predefined periods of time. That's not just smart, it's also secure. It means you can give the appearance that someone is home even when you are out.

Coming home light

Homematic IP provides that little extra security within your own four walls. You can program light switches so that the light in the hall comes on automatically whenever someone approaches the house. **And when it's dark outside, a well-lit drive or house front makes you feel much more comfortable straight away.**

Homematic IP products for light control can easily be integrated into the existing home environment since the existing frames and rockers from many different brand switch ranges can continue to be used. A range of adapters suitable for brand switches is provided for this.

DIMMING ACTUATORS

- **Our dimming actuators** enable the dimming and switching of many dimmable LED lamps, dimmable energy-saving lamps, LV and HV halogen lamps and incandescent lamps
- **All Homematic IP dimming actuators are trailing edge dimming actuators** and therefore prevent noise development compared with older dimmers
- **The maximum switching capacity is 80 VA**
- **Using Amazon Alexa or Google Assistant,** you can also control your lighting conveniently via voice commands

Product ref.
143166A0

EASILY INTEGRATED INTO THE EXISTING LIVING ENVIRONMENT

- With the appropriate adapter, the device can be integrated into the most popular switch designs of leading manufacturers: Busch-Jaeger, Gira, Merten, Berker, Jung, Düwi, Kopp, ELSO and Siemens (see page 57)
- Optimised for modern light sources and therefore ideal for small loads (e.g. LEDs)
- The Homematic IP app offers virtually infinitely variable dimming of connected lights in 1% steps

BDT | DIMMING ACTUATOR FOR BRAND SWITCHES
– trailing edge

STARTER SET

THE INTRODUCTION TO SMART LIGHTING

- Includes:
  Access Point | HAP
  2 x Pluggable dimmer – trailing edge | PDT
- Convenient control of dimmable lights

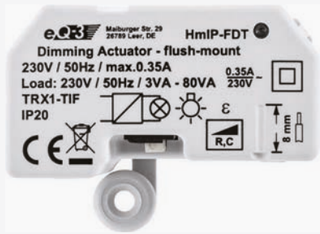
Product ref.
151671A0

Product ref.
150609A0

SK6 | STARTER SET LIGHT

CONCEALED INSTALLATION

- Compact design for easy installation in flush-mounting boxes
- For use in cellars or outdoor areas with installation in surface-mounted junction boxes (e.g. ELS Spelsberg Abox 25, IP65)
- Easy to install thanks to screwless clamps



FDT | DIMMING ACTUATOR FLUSH-MOUNT
– trailing edge

PDT | PLUGGABLE DIMMER
– trailing edge

ENABLES CUSTOMISED AMBIENT LIGHT

- Thanks to the compact design, the device does not block the surrounding sockets
- Optimised for modern light sources and therefore ideal for small loads (e.g. LEDs)
- The Homematic IP app offers virtually infinitely variable dimming of connected lights in 1% steps

Product ref.
150327A0

Product ref.
155402A0

THE PROBLEM SOLVER

- Compensates for numerous sources of interference, e.g. glowing, flickering or noise generation in the case of dimmable light sources and ensures a calm lighting atmosphere
- Ideal in conjunction with Homematic IP dimming actuators and trailing edge dimming actuators from other manufacturers
- Compact design and easy to install thanks to screwless clamp terminals
- Suitable for use in multiple locations:
  In flush-mounted boxes, in the false ceiling, or in the ceiling canopy for lights, etc.

NEW Q2

DC | DIMMER COMPENSATOR

PRESENCE DETECTION

- The Homematic IP Motion and Presence Sensors reliably detect motion and the ambient brightness through an integrated brightness sensor
- In conjunction with other Homematic IP devices, for example, lights can be switched on or alarms can be triggered
- Battery operation means that all Homematic IP Motion and Presence Sensors can be installed flexibly and wirelessly

SPI | PRESENCE SENSOR
– indoor

EVERYTHING AT A GLANCE

- Reliably detects the presence of people within a radius of up to 7 m
- The integrated brightness sensor also records the ambient brightness – which means that the light is only switched on when it is needed

Product ref.
150587A0

SMI55 | MOTION DETECTOR FOR 55MM FRAMES
– indoor

MOTION DETECTION IN SWITCH FORM

- The motion detector and two additional buttons offer control of other Homematic IP devices, e.g. for switching light sources on and off or for activating and deactivating eco mode
- The 55 x 55 mm format means that the device can be integrated into existing switch ranges
- For use in the Homematic IP security solution, the supply voltage must be connected via the Homematic IP Power Supply Unit for brand switches (HmIP-BPS)

Product ref.
151769A0

Product ref.
142809A0

Product ref.
150320A0

SECURE MONITORING IN OUTDOOR AREAS

- Detection range up to 12 m, detection angle approx. 90°, able to rotate by 360°
- Differentiates between the light intensity in twilight as well as between sunshine and clouds and enables demand-based switching with individually adjustable twilight values
- Suitable for indoor and outdoor applications: Ideal for monitoring garages or tool sheds thanks to application in an ambient temperature range of -20 to +55 °C
- As the lens can be freely tilted horizontally and vertically, unintended triggering caused by pets can be avoided
- Available in white (HmIP-SMO) and anthracite (HmIP-SMO-A)

SMO | MOTION DETECTOR WITH BRIGHTNESS SENSOR
– outdoor, white

SMO-A | MOTION DETECTOR WITH BRIGHTNESS SENSOR
– outdoor, anthracite

Want to protect your home from environmental influences or make it look like you're home when you're out and about? The shutter and awning control devices create greater privacy and increase your security.

SIMPLY PRACTICAL

Shutter Control

Control awnings, blinds and shutters at the touch of a button

9 pm on the dot and your shutters go down throughout the house. The weather suddenly turns and your awning is retracted automatically. The blinds go down because the room temperature in your lounge rises due to direct sunlight. Homematic IP makes all of that possible! In just a few steps, set up the individual devices via the free Homematic IP app and then conveniently control them by smartphone. No matter where you are.

Particularly useful: By custom configuring of a time profile, you can time control awnings, shutters and blinds (by weekday, time of day or sun position) – even based on brightness and darkness is possible. This ensures greater privacy and makes your home look inhabited at all times.

SK5 | STARTER SET SHUTTER CONTROL

GET STARTED WITH SMART SHUTTERS

- Includes:
  Access Point | HAP
  2 x Shutter actuator for brand switches | BROLL

Product ref.
151670A0

Product ref.
151347A0

BROLL | SHUTTER ACTUATOR FOR BRAND SWITCHES

RETROFIT EXISTING BUTTONS

- With the shutter and blind actuators for brand switches, you can easily retrofit existing buttons and switches for your shutters, awnings and blinds
- Convenient operation via the Homematic IP app, the Homematic IP remote control, or directly via the switch rocker button
- Suitable for all standard tube motors
- With individually configured week profiles, shutters/awnings can be raised and lowered in a time-controlled manner
- Convenient control dependent on sunrise and sunset
- Lock-out, storm and heat protection function possible in combination with the Homematic IP app and other components
- With the appropriate adapter, the device can be integrated into the most popular switch designs of leading manufacturers: Busch-Jaeger, Gira, Merten, Berker, Jung, Düwi, Kopp, ELSO and Siemens (see page 57)
- A neutral conductor is required for installation
- Convenient and individual voice control (e.g. via Amazon Alexa or Google Assistant)

Product ref.
151322A0

Product ref.
151398A0

BBL | BLINDS ACTUATOR FOR BRAND SWITCHES

Product ref.
151333A0

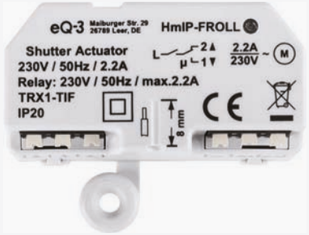
Product ref.
151566A0

THE SUN'S BEST FRIEND

- Measures brightness (in lux) in outdoor areas
- Multiple applications in conjunction with other Homematic IP devices (e.g. switching lights on during darkness or lowering shutters in strong sunshine)
- Immediately ready for use thanks to battery operation and radio communication
- Flexible and easy wall mounting thanks to the supplied plugs and screws or use as a standing unit

IDEAL FOR FLUSH-MOUNTED INSTALLATION

- The Homematic IP Shutter and Blind Actuators – flush mount, enable the automated control of shutters, blinds and awnings using standard tube motors
- Therefore, the small actuator is installed into a flush-mounted box and wired to the existing tube motor
- Supports connection of two standard push-buttons via screwless clamps for local operation
- Compact design for easy installation in flush-mounted boxes or in surface-mounted junction boxes (e.g. ELS Spelsberg Abox 25, IP65), e.g. for operation in cellars
- With individually configured week profiles, shutters/awnings can be raised and lowered in a time-controlled manner
- Convenient control dependent on sunrise and sunset
- Lock-out, storm and heat protection function possible in combination with the Homematic IP app and other devices
- A neutral conductor is required for installation
- Convenient and individual voice control (e.g. via Amazon Alexa or Google Assistant)



FROLL | SHUTTER ACTUATOR – flush-mount

FBL | BLINDS ACTUATOR – flush-mount

SLO | LIGHT SENSOR – outdoor

With our switching and metering devices, not only can you switch on and dim your lighting intelligently and automatically, you can also detect power guzzlers!

THE SMART ALL-ROUNDER

Switching and metering

Smart energy measurement

Homematic IP brings light into the dark automatically and shows you how much energy you are using and where.

Uncover your expensive power guzzlers by measuring and analysing the energy consumption in your home. With the smart Homematic IP switch actuators and meters, all that happens in the background. Combining several Homematic IP products makes it easy to implement custom scenarios while measuring energy consumption at the same time.

Particularly smart: The high accuracy of measurement of the Homematic IP switch actuators and meters means even stand-by consumption over 0.01 W can be measured accurately.

Homematic IP light control products can easily be integrated into the existing home environment with the use of existing frames and rockers from many different brand switch series.

PS | PLUGGABLE SWITCH

SMALL AND VALUABLE

- The Homematic IP pluggable switches and pluggable switches and meters enable connected devices, e.g. floor lamps, to be switched on and off
- Convenient control via the Homematic IP app, e.g. via individual time profiles for the automatic switching of connected devices
- The Homematic IP Pluggable Switch and Meter also measures energy consumption, power, supply voltage and current
- Precise regulation of electric radiators in conjunction with a Homematic IP Wall Thermostat
- Can be used to extend the range of the radio signal

Product ref. 141836A0

Product ref. 142721A0

PSM | PLUGGABLE SWITCH AND METER

Product ref. 140666A0

Product ref. 150239A0

IDEAL FOR FLUSH-MOUNTED INSTALLATION

- Flush-mount actuator for switching of connected devices and measuring energy consumption
- The high measurement accuracy means even standby loads can be measured precisely
- Compact design for easy installation in flush-mounting boxes or surface-mounted junction boxes (e.g. ELS Spelsberg Abox 25)
- The Homematic IP Switch Actuator and Meter (16 A) provides a particularly large switching capacity for high loads of up to 16 A

FSM | SWITCH ACTUATOR AND METER – flush-mount

FSM16 | SWITCH ACTUATOR AND METER (16 A) – flush-mount

BSM | SWITCH ACTUATOR AND METER FOR BRAND SWITCHES

EASILY INTEGRATED

- Flush-mount actuator for switching connected devices
- Compact design for installation into standard flush-mounting boxes
- With the appropriate adapter, the device can be integrated into the most popular switch designs of leading manufacturers: Busch-Jaeger, Gira, Merten, Berker, Jung, Düwi, Kopp, ELSO and Siemens (see page 57)
- The metering function reliably detects switched-on devices

Product ref. 142720A0

Product ref. 150586A0

SMART GARAGE DOOR CONTROLLER

- Enables the opening, closing and stopping of garage doors in conjunction with garage door drives
- Replaces conventional garage door controllers with an intelligently controlled solution
- Individual configuration via the "WebUI" CCU user interface
- Convenient garage door control directly on the device itself, via wireless remote control or via various partner apps

WGC | GARAGE DOOR CONTROLLER

PCBS | SWITCH CIRCUIT BOARD

INTEGRATES DEVICES INTO THE SMART HOME

- Enables the wireless switching, e.g. of a switch or button input, 12 V signalling device, or LEDs, in the extra-low voltage range
- The compact design means the device can be flexibly installed into existing devices and custom projects
- Connected devices can be conveniently switched on and off, e.g. via the Homematic IP app or wireless remote control

Product ref. 150776A0

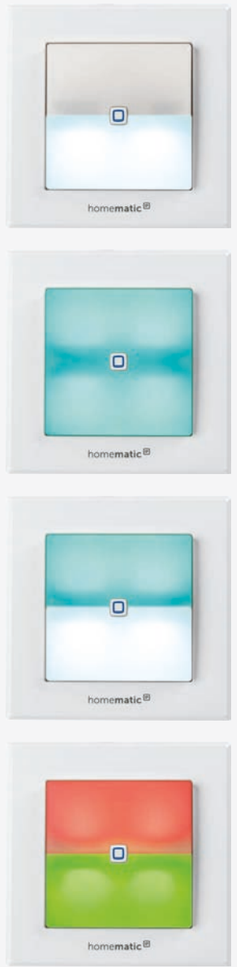
Product ref. 154346A0

INTELLIGENT AND INVISIBLE

- Smart lighting control
- Easy to upgrade and can be installed unseen in flush-mounting boxes
- Flexible operation: Directly via the connected buttons or switches, wirelessly via Homematic IP buttons or remote controls, and via the Homematic IP smartphone app at any time
- Suitable for many connected loads: incandescent lamps, LED, halogen lamps, etc.

FSI16 | SWITCH ACTUATOR WITH PUSH-BUTTON INPUT – flush-mount

BSL | SWITCH ACTUATOR FOR BRAND SWITCHES
– with signal lamp



BRINGS COLOUR INTO THE SMART HOME

- The mains-operated wireless switch actuator with two buttons is extremely flexible – use it to control a connected device or as a signal or orientation light
- Easy and flexible control of the connected lights via the integrated buttons, motion detector or remote control as well as via the app
- In conjunction with connected devices, the switch actuator can be used, for example, as a signal light for a washing machine that has finished, for alarm conditions, eco mode or for open windows
- The colour and intensity of the LED signal lights can be set conveniently and individually via the Homematic IP app

Product ref.
152020A0

Small switch with great effect
Various functions and automations are enabled with the switch actuator for brand switches – with a signal lamp to report scenarios, for example whether or not windows are closed.

Always ready: Even **without an internet connection,** the alarm siren scares off burglars. With direct connections between the security components, you are always protected.

Love your custom-designed home but wish it could be a little smarter? You can upgrade your existing electrical installations using Homematic IP actuators for brand switches without having to replace the existing switch series entirely.

YOUR DESIGN REMAINS UNCHANGED.

Actuators and adapters for brand switch systems

New technology for existing design

The Homematic IP products can be integrated into the design of the existing switch ranges with minimal effort.

The Homematic IP actuators for brand switches are part of the Homematic IP smart home system. You can use the actuators with the Homematic IP Access Point in conjunction with the free app, the CCU2/ CCU3 Central Control Unit, and various partner solutions.

Available in 4 versions:

- ▶ Dimming actuator (see page 41)
- ▶ Shutter actuator (see page 46–47)
- ▶ Blind actuator (see page 46–47)
- ▶ Switch actuator (see page 50–52)

Quick check:

- ▶ Lower mounting and installation costs thanks to the use of existing standard flush-mounted boxes within the existing electrical installation.
- ▶ Simply continue to use existing frames and rockers from many different brand switch system ranges. A range of adapters suitable for brand switches is provided for this.
- ▶ By using existing switches, the interior design remains in terms of style, form and appearance.
- ▶ Comfortable control directly on the device itself via the buttons, the Homematic IP app, the Homematic IP Remote Control or the wireless Wall-mount Remote Control.

Adapters for brand switch systems

Would you like to design your home step-by-step more conveniently with smart technology? Our flush-mounted actuators for brand switches can easily be integrated into current electrical installations without the need to change the existing switches entirely.

Here's how it works:

- ▶ **1.** Switch off the fuse.
- ▶ **2.** Your trusted electrician removes all plastic parts (rocker, retaining piece and frame) from your existing switch.

Important: *Do not attempt this yourself, always use a qualified professional.*

Tip: *Set aside the rocker and frame as these can be reused.*

- ▶ **3.** Remove the existing switch element.

Important: *Please ensure that an N conductor is present before proceeding with the next step.*

- ▶ **4.** Connect the desired Homematic IP actuator to the power supply and plug it in to the flush-mounted socket.
- ▶ **5.** Connect the Homematic IP actuator to the Access Point in accordance with the operating manual.
- ▶ **6.** Fit the frame and adapter and click the rocker into place.
- ▶ **7.** Switch the fuse back on again.

ADAPTERS FOR BRAND SWITCH SYSTEMS

- ▶ The adapters for switch ranges enable **Homematic IP actuators for brand switches** to be easily integrated into existing installations from different **manufacturers and of various designs at low cost and without the need for major installation work**
- ▶ Simply replace existing switches (where the wiring is appropriate) with Homematic IP actuators for brand switches and enjoy the added convenience by smart home technology
- ▶ **A list of switch ranges compatible with our adapters** can be found in the respective product data sheet (see QR code) or at: www.homematic-ip.com

ADAPTER BERKER (B1)

Product ref.
103094A2 1 piece
103094A1 20pieces

ADAPTER BERKER (B2)

Product ref.
103263A2 1 piece
103263A1 20pieces

ADAPTER BUSCH-JÄGER

Product ref.
103090A2 1 piece
103090A1 20pieces

ADAPTER DÜWI

Product ref.
103097A2 1 piece
103097A1 20pieces

ADAPTER GIRA 55

Product ref.
103091A2 1 piece
103091A1 20pieces

ADAPTER GIRA STANDARD

Product ref.
103092A2 1 piece
103092A1 20pieces

ADAPTER JUNG (J1)

Product ref.
103095A2 1 piece
103095A1 20pieces

ADAPTER JUNG (J2)

Product ref.
103478A2 1 piece
103478A1 20pieces

ADAPTER KOPP

Product ref.
103096A2 1 piece
103096A1 20pieces

ADAPTER MERTEN

Product ref.
103093A2 1 piece
103093A1 20pieces

ADAPTER ELSO JOY

Product ref.
152993A2 1 piece
152993A1 20pieces

ADAPTER SIEMENS

NEW

Product ref.
155263A1 1 piece
155263A2 20pieces

You can't control the weather but with these devices you can make your home impervious to the effects of the weather and the environment!

SAY GOODBYE TO THE WEATHER FORECAST

Weather and environment

Smart protection for wind and weather

The sunshine is particularly strong and your awning extends by 80%. A violent storm breaks out and your shutters lower automatically: **With Homematic IP weather and environment products, your smart home adapts to the current weather conditions automatically.**

How it works:
The weather sensors detect all relevant weather data, such as temperature, humidity, wind speed, brightness or sunshine duration, and wirelessly send this data to the connected Homematic IP components, e.g. the awning or shutter actuators. The rules you have defined then ensure the relevant action by the Homematic IP devices.

The wireless communication and battery operation means you can use the weather sensors anywhere in the garden. The weather sensors are available in basic, plus and pro versions. In addition to temperature, humidity, etc., the plus version also analyses when it starts to rain as well as the amount. The pro version shows the wind direction as well.

WEATHER SENSORS

- **Homematic IP weather sensors** measure temperature, humidity, wind speed, (relative) brightness and sunshine duration reliably and accurately – depending on the model, there are also additional features
- The determined values are displayed **in the Homematic IP app**
- **Multiple applications** in connection with other Homematic IP devices – e.g. moving shutters up in the case of strong wind or extending awnings during sunshine
- **Flexible application** in outdoor areas thanks to wireless communication and battery operation

SWO-B | WEATHER SENSOR
– basic

THE ENTRY-LEVEL

- Reliably measures temperature, humidity, wind speed, relative brightness and sunshine duration

Product ref.
152056A0

SWO-PL | WEATHER SENSOR
– plus

ADDITIONAL WEATHER DATA

- Reliably measures temperature, humidity, wind speed, relative brightness, sunshine duration and also **rainfall volume and duration**

Product ref.
152057A0

SWO-PR | WEATHER SENSOR
– pro

THE EXPERT

- Reliably measures temperature, humidity, wind speed, relative brightness, sunshine duration, rainfall volume and duration, and also **wind direction**

Product ref.
151821A0

STHO | TEMPERATURE AND HUMIDITY SENSOR
– outdoor, white

THE COMPACT

- Measures temperature and humidity in outdoor areas and displays this information in the Homematic IP app
- Flexible and easy wall mounting thanks to the supplied plugs and screws or use as a standing unit
- Available in white (HmIP-STHO) and anthracite (HmIP-STHO-A)

Product ref.
150573A0

Product ref.
150574A0

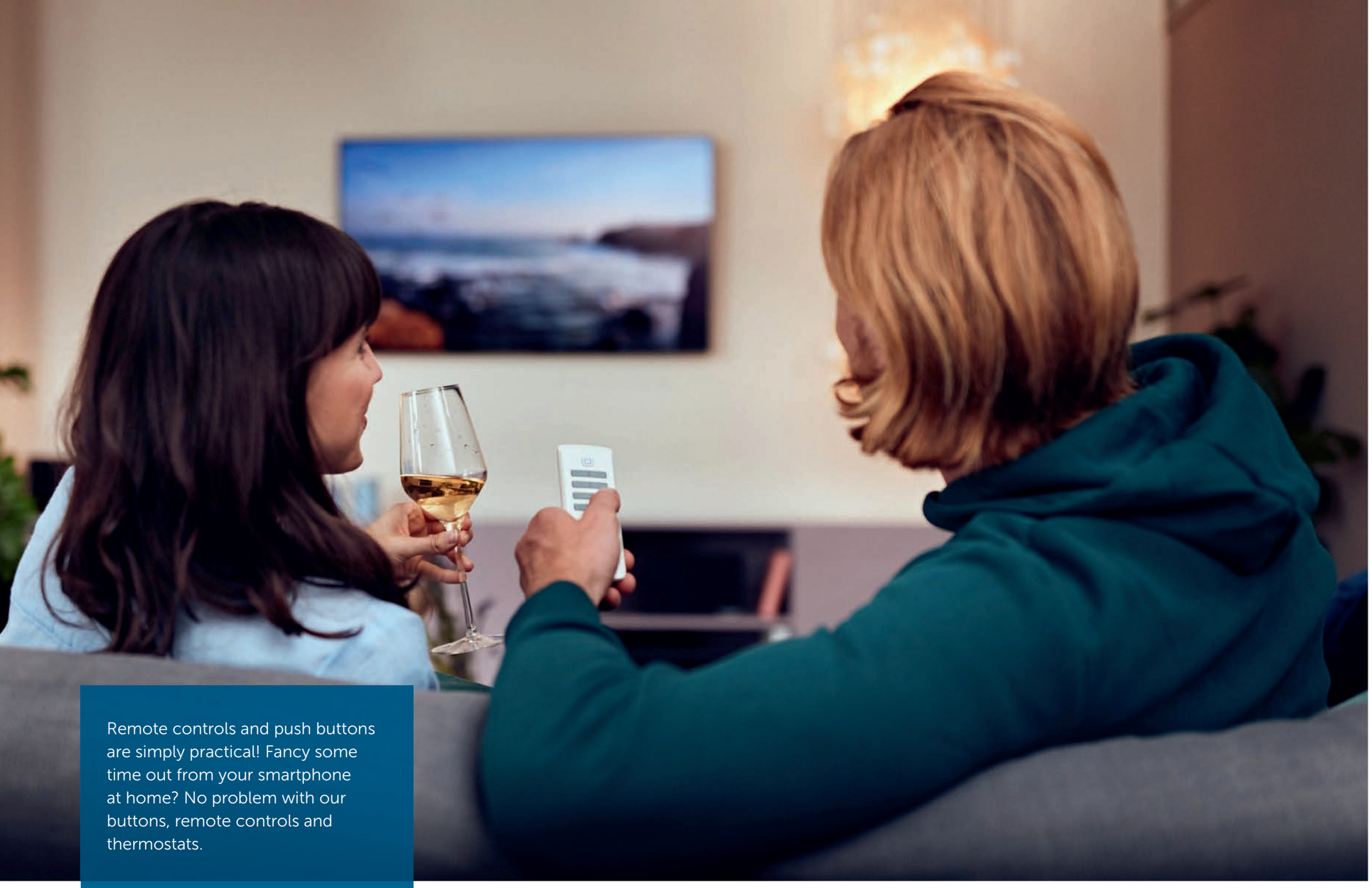
STHO-A | TEMPERATURE AND HUMIDITY SENSOR
– outdoor, anthracite

SRD | RAIN SENSOR

READY FOR THE RAIN

- Immediate notification when it rains or snows
- Reliable and accurate sensor with large, sensitive sensor surface
- Retracts awnings, when combined with a Homematic IP shutter actuator for example, when it starts to rain
- Weather resistant and designed to operate at temperatures of -20°C to +55°C
- Individual definition of trigger sensitivity via the Homematic IP app

Product ref.
154826A0



Remote controls and push buttons are simply practical! Fancy some time out from your smartphone at home? No problem with our buttons, remote controls and thermostats.

SIMPLY WITHOUT A SMARTPHONE

Remote controls and push buttons
Smart operation

A smart home should also be smart to operate. And you don't always need to pull out a smartphone for that. As an alternative, you can also control the Homematic IP components with control devices such as buttons, a wall thermostat or a remote control.

Homematic IP Wall-mount Remote Controls can be easily integrated into existing switch ranges or positioned anywhere in the room. Unlike conventional wall-mount remote controls, the battery supply and wireless communication means no external power supply is needed.

The Homematic IP Key Ring Remote Control can be used to turn the alarm function on or off at the touch of a button. Switching on and dimming the light and controlling other devices also works with the numerous Homematic IP remote controls and push buttons.

WRC2 | WALL-MOUNT REMOTE CONTROL
– 2 channels

FLEXIBLE APPLICATION WITHIN THE SMART HOME

- Universal wireless wall-mount remote control with two channels for central control of Homematic IP devices
- Easy to integrate into existing switch ranges with 55 mm frames from the following manufacturers: Berker, Busch-Jaeger, GIRA, Merten, JUNG, Kopp, ELSO ans Siemens (see page 57)

Product ref.
140665A0

Product ref.
142307A0

RC8 | REMOTE CONTROL
– 8 buttons

EVERYTHING UNDER CONTROL

- Universal remote control with four freely configurable pairs of buttons
- Enables convenient control of connected devices, e.g. for the switching or dimming of lights
- Activation of system functions, e.g. eco mode, is possible at the touch of a button
- With customisable labelling field on the bottom of the remote control for noting button functions

WRC6 | WALL-MOUNT REMOTE CONTROL
– 6 channels

INDIVIDUAL CONTROL

- With three freely configurable pairs of buttons for the convenient control of connected devices
- The labelling field can be changed and customised
- Easy to integrate into existing switch ranges with 55 mm frames from the following manufacturers: Berker, Busch-Jaeger, GIRA, Merten, JUNG, Kopp, ELSO ans Siemens (see page 57)

Product ref.
142562A0

Product ref.
142308A0

Product ref.
140740A0

KRCA | KEY RING REMOTE CONTROL
– alarm

REMOTE CONTROLS FOR OUT AND ABOUT

- The **Homematic IP Key Ring Remote Control – alarm** enables the convenient control of alarm functions and switches lights on and off
- Alarm functions can be set via the Homematic IP app and can be activated or deactivated at the push of a button with the wireless remote control
- Operating buttons for "Presence mode", "Absence mode", "Alarm protection deactivated" and "Lights on/off"
- The **Homematic IP key ring remote control – 4 buttons** has four freely configurable buttons enabling convenient control of connected devices and functions
- Glass fibre reinforced and halogen-free material for optimal stability and environmental compatibility

KRC4 | KEY RING REMOTE CONTROL
– 4 buttons

BRC2 | REMOTE CONTROL FOR BRAND SWITCHES
– 2 channels

REMOTE CONTROL ON THE WALL

- Mains-operated wireless wall-mount remote control with two transmission channels for controlling Homematic IP devices and functions
- Combines the functionality of a remote control with a flush-mounted device and thus controls connected Homematic IP actuators and pluggable switches to switch lights on or off, for example
- Compact design for installation into standard flush-mounting boxes
- Can also be integrated into existing switches by making use of existing frames and rockers

Product ref.
152000A0

NEW

WRCR | ROTARY BUTTON

ROUND 'N' ROUND

- Easy to upgrade and suitable for flexible use in any position thanks to battery operation and wireless communication
- Various mounting positions: Adhesive or screw mounting, integration into existing switch systems (with 55 mm frames), in a flush-mounting box or in a desk stand, etc.
- Switch lighting on or off easily (in conjunction with Homematic IP Dimming Actuators by pressing the control wheel or infinitely variable dimming by conveniently turning the wheel
- **SUITABLE FOR:**
  Homematic IP Dimming Actuator
  (see page 41)

Product ref.
154888A0

NEW
Q3

WRCC2 | WALL-MOUNT REMOTE CONTROL – flat

FITS EVERYWHERE

- Flat design, a variety of features and extremely flexible thanks to battery operation and wireless communication
- One or more functions can be triggered simultaneously at the push of a button
- Can be used, for example, to switch light sources on or off, or to move shutters up and down

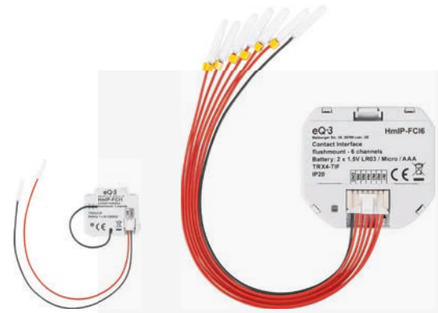
Product ref.
155342A0

Product ref.
153489A0

Product ref.
153501A0

THE ALL-ROUNDERS

- Enables the upgrading of, for example, conventional, **potential-free buttons** with 1 or 6 buttons for intelligent and individual wireless control
- Integration of switches, buttons or contacts into the Homematic IP system, for example to control lights or shutters
- Easy to install thanks to battery operation – no connection to the power supply needed
- Enables convenient integration and the reuse of existing switches and switch systems



FCI1 | CONTACT INTERFACE FLUSH-MOUNT – 1 channel

FCI6 | CONTACT INTERFACE FLUSH-MOUNT – 6 channels

VARIOUS APPLICATIONS

They are inconspicuous and small: Our flush-mount contact interfaces enable extremely flexible integration and bring smart technology to switches, buttons and contacts. This means the lights and shutters can be controlled easily. The long-life lithium battery means that no connection to the power supply is needed. In combination with the ultra-flat design, it makes installation in standard flush-mounting boxes possible – even after previously installed switching elements.

Looking to extend your upper floor, for example, or upgrade your home to a smart home? Then the wireless devices for DIN rail mounting are perfect for you. No intervention is required to install the devices in each room and your existing design remains preserved.

WIRELESS COMMUNICATION WITHIN THE DISTRIBUTION BOARD

Wireless devices for DIN rails

Smart upgrade, smart home

Using the wireless devices for DIN rail installation, you can easily upgrade **your home to a smart home and control it from the distribution board.**

Looking to extend your upper floor, for example or upgrade your home to a smart home? Then use the wireless devices for DIN rails. No intervention is required for installation in each room and you have free reign in terms of design since existing switches and buttons can simply be reused.

Mounting is particularly easy using the spring tension clamps supplied. Each channel can be assigned to a different phase, thereby enabling the independent control of each individual channel.

Particularly practical: There are four versions available so you can use the added value for your smart home all around:

- With its particularly slimline **1-channel switch actuator** with a width of just one WM, the trigger impulse switches can be ideally replaced. The lighting can then be controlled directly with the customary buttons, wirelessly via the Homematic IP button and of course, now also via the smartphone app. With the **4-channel switch actuator**, you can even switch up to four channels.
- The **dimming actuator – 3-channels** enables you to dim and switch up to three lights almost continuously, to create the ideal light barrier within your smart home.
- The **blind actuator – 4-channels** enables you to control your shutter elements smart and easily. Individual movement up or down of up to four connected blinds, shutters or awnings provides greater convenience and security.

WIRELESS DEVICES FOR DIN RAILS

- The **Homematic IP wireless devices for DIN rails** can be installed on standard DIN rails easily. A wide range of **control options are then** available directly via standard 230 V push-buttons, wirelessly via Homematic IP buttons or remote controls, and even via the smartphone app at any time.
- Huge advantage for a smart home: **Also suitable for expansions (e.g. upper floor) and retrofitting.** Can easily be installed in the distribution cabinet and the compact housing means it does not take up much space. No intervention required on the existing installation within the room. **Existing switches and buttons can simply continue to be used.**
- Each of the actuator channels can be assigned to a different phase, thereby enabling the **independent control of each individual channel.**

NEW Q4

DRSI1 | SWITCH ACTUATOR FOR DIN RAIL MOUNT
– 1 channel

REPLACES IMPULSE SWITCHES

- Particularly slimline (only 1 WM wide) for easy installation on a DIN rail to turn off one of the distribution cabinet channels
- Two in one: Not only does the switch actuator enable the convenient switching of connected light via an independent channel, it also replaces a conventional impulse switch

Product ref.
154684A0

NEW Q4

DRSI4 | SWITCH ACTUATOR FOR DIN RAIL MOUNT
– 4 channel

FLEXIBLE SWITCHING

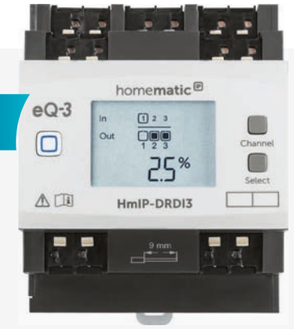
- Convenient switching of up to four connected lights via independent channels for the perfect ambient lighting
- Suitable for many connected devices, e.g. ohmic loads, incandescent lamps, halogen lamps, LEDs and electric radiators, etc.

Product ref.
154431A0

Product ref.
154434A0

INTELLIGENT SWITCHING AND DIMMING

- Infinitely variable dimming and switching of up to three connected lights via independent channels for the perfect mood lighting
- Suitable for many light sources, e.g. dimmable LEDs and energy-saving lamps, incandescent lamps and halogen lamps



NEW Q4

DRDI3 | DIMMING ACTUATOR FOR DIN RAIL MOUNT
– 3 channels

Product ref.
154362A0

CONVENIENTLY CONTROL BLINDS

- Individual movement (up or down) of up to four connected blinds, shutters or awnings via individual channels for greater convenience and security
- Blinds can be controlled automatically based on sunrise and sunset. Intelligent heat protection prevents rooms from overheating in the summer with automatic shutter control
- With configurable time profiles, blinds are moved up or down automatically and can thus be adapted to the inhabitants' daily routines

NEW Q4

DRBLI4 | BLIND ACTUATOR FOR DIN RAIL MOUNT
– 4 channels

Planning a new build or extensive refurbishment and want to equip your home with smart home automation?

WIRED: THE PERFECT SOLUTION

Wired
From start to smart

PRODUCTS FOR TRADE PROFESSIONALS

homematic IP wired

As its name suggests, Homematic IP Wired is a wired bussystem. Here, the individual devices communicate via an interference-proof bus which makes your smart home particularly reliable and robust.

Another advantage of our system: Data is transmitted extremely quickly as a result of the direct connection of the various components. And securely! After all, the communication of Homematic IP products is fully encrypted and authenticated. **Even the connection of new devices is cryptographically protected and 100% anonymous.** You do not need to provide personal data anywhere so there are also no concerns about data theft or misuse.

What configuration variant are possible?

Initial installation of Homematic IP Wired is done by a specialist. You then have complete flexibility and you can expand your smart home to suit your requirements at any time. After all, all Homematic IP devices, wireless or wired, are compatible with one another via the CCU3 Central Control Unit. This means you have almost infinite options for automating your home and to suit your requirements – both in the case of initial installation in a new build and in the case of a later upgrade.

Local central control unit or cloud solution
You have two options for installing and operating Homematic IP Wired:

Option 1:
Here the system is installed via a smart home Central Control Unit, the CCU3, in conjunction with the Homematic IP Wired Access Point. Configuration is then done via a web browser. All data is located locally within the home network.

Option 2 (available in the future):
Here the system is operated via the Homematic IP cloud. For this, users connect to the cloud via the Homematic IP Wired Access Point. You can then configure and operate your smart home via the free Homematic IP smartphone app – from home and on the move. In conjunction with a Homematic IP Access Point, you can easily expand the system with wireless components and therefore combine wireless and wired.

Particularly robust and interference-proof
Homematic IP Wired is the first building automation bus system based on IPv6 and each device is assigned a unique and unambiguous identifier. This enables the central control unit to identify and address each device specifically. Homematic IP is extraordinarily resilient against sources of interference and enables the secure transmission of data at all times. As with Homematic IP already, Homematic IP Wired is VDE tested and certified for information security during data communication.

How does the Homematic IP Wired bus system work?
The topology of the bus system through which the individual components are connected can be structured virtually as required. Among other things, the Homematic IP Wired bus supports a failsafe ring topology in which the bus goes from the Wired Access Point on from one device to the next and then back to the Wired Access Point again. If the line is interrupted at a point in the ring, the topology automatically switches to two independent bus lines. That way, the remaining devices instantly remain operational in the event of a cable fault.

Particularly smart: When installing the bus system, any desired branches can be arranged in the ring topology. This means there are virtually no limits to your smart home. Remote sub-distribution boards, e.g. for an electrical installation in the garage or summer house, can also be integrated. Even ambitious planning and ideas can be implemented by professional installers to individual requirements.

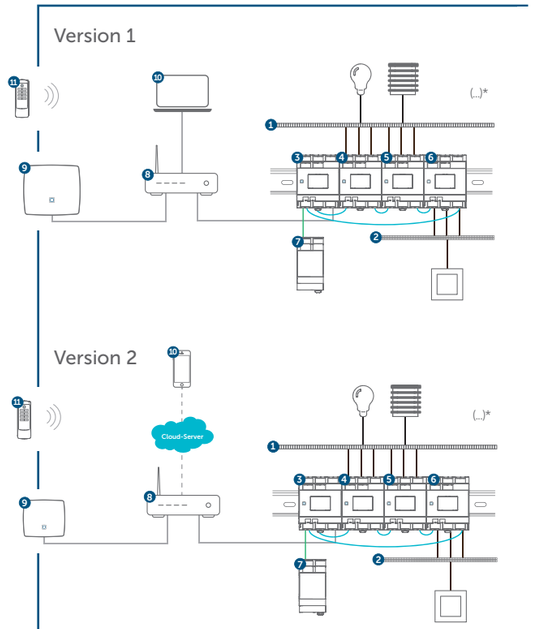
Homematic IP Wired is only **available** from one of our **more than 1700 installation partners**!
Contact them for advice.

How can I configure the smart home system?

Connection via the Homematic IP Wired Access Point is either to a local smart home central control unit in the building or to the Homematic IP cloud service (available in the future). Specialist companies and end customers can choose between two basic configuration versions:

Control via Wired Access Point and CCU3, via PC, or remote control: In this scenario, the installation and configuration is done locally with the CCU3 smart home central control unit or, alternatively, the central control unit of one of Homematic IP's partners. A web browser is used for the configuration. Control from anywhere in the world is possible via VPN solutions in DSL/internet routers or secure remote access solutions from partners.

Combined control of wireless and wired devices: It is possible to connect existing Homematic IP wireless systems to the wired version or to expand a Homematic IP wired solution later with wireless components. The devices are then controlled using the CCU3 via remote controls, motion detectors or partner apps.



Legend:

1) Installation terminal
2) Terminal strip for button/switch contact inputs, e.g. LSA
3) Homematic IP Wired Access Point
4) Homematic IP Wired Switch Actuator
5) Homematic IP Wired Blind Actuator
6) Homematic IP Wired Input Module – 16 or 32 channels
7) 24 V power supply unit
8) Network router
9) Homematic IP CCU Central Control Unit | Access Point
10) WebUI user interface on PC | Homematic IP smartphone app
11) a) CCU3: Integration of Homematic IP and Homematic wireless components
    b) Access Point: Integration of Homematic IP wireless components (available in the future)

(...)* Sample illustration, flexibly expandable

— Bus connection cable
— Ethernet cable
— 24 V connection
— Input and load channels

*A Homematic IP Wired Access Point is required for operation. Smartphone app control can be achieved via the CCU3 using various apps from our partners. Control via the Homematic IP app will also be available in the future.

The Central Control Unit for smart home experts:
The CCU3 is the latest generation of the tried-and-tested predecessors, the CCU and CCU2. It can be used in conjunction with a Wired Access Point* for local in-house device communication.

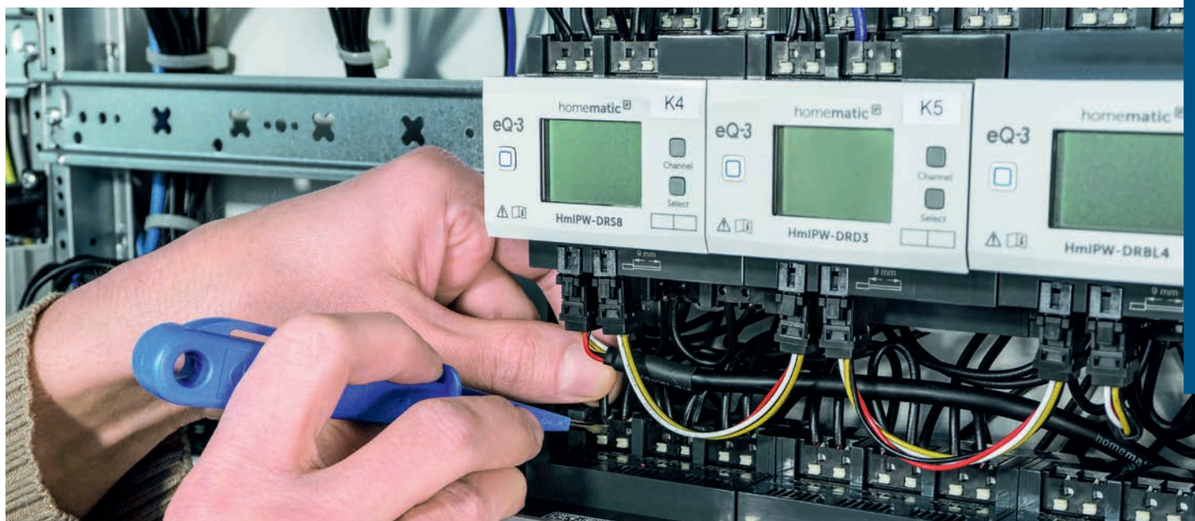
Installation: Connection of modules and sensors

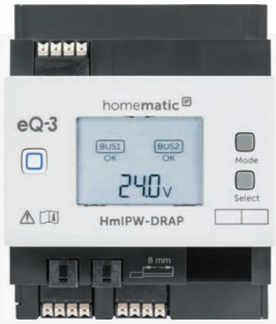
Homematic IP Wired devices for DIN rails are connected with up to 16 or 32 buttons or switches. For field installation (outside the distribution panel), standard flush-mounted push-buttons or switches can be used. This means that Homematic IP Wired can be integrated into the existing switch systems. When connecting input/output modules and sensors, the installer has three options which can also be combined with one another as required:

1. **Combination with the Homematic IP wireless solution:**
   Sensors and switches from the Homematic IP Wired range can be combined with the previous wireless solution as required. The position of the switches does not need to be determined in the construction phase since wireless devices can be used as required anytime – even at a later date. Using Homematic IP Wired switch and dimming actuators, light sources can be turned on and off or dimmed within the smart home. Shutter control elements such as shutters, blinds and awnings can be controlled based on time or weather data.

2. **Installation with low-voltage buttons and switches:**
   Since the inputs are electrically isolated from the 230/400 Volt mains voltage, the wiring is particularly easy and inexpensive using simple phone wires or low voltage lines. This can also eliminate the need for the cost-intensive and time-consuming preparation of vertical slits for NYM lines, resulting in substantial cost advantages.

3. **Installation of the Homematic IP Wired bus system throughout the whole building:** In this scenario, the Homematic IP Wired bus is installed not only in the power distribution cabinet, but is routed through the building with sensors and input/output modules. An initial Homematic IP wired device for the stand-alone installation is a module with six channels, connected to conventional buttons and switches for flush mounting.





DRAP | WIRED ACCESS POINT

THE HEART OF THE WIRED SYSTEMS

- The central interface within the Homematic IP wired system – the Homematic IP Wired Access Point connects the CCU3 smart home central control unit to the Homematic IP wired devices
- Offers two independent bus outputs for power supply and communication with connected Homematic IP wired devices
- The topology of the bus that connects the single Homematic IP wired components can be organised as required

Product ref. 152465A0

Product ref. 152250A0

Product ref. 152263A0

FOR SWITCHES, PUSH-BUTTONS AND CONTACTS

- The Homematic IP Wired 16 and 32-channel input module connects conventional buttons, switches and contacts to the Homematic IP wired system via 16 or 32 independent inputs
- Inputs can be used for buttons and switches or for contacts (e.g. reed contacts in windows)
- A corrosion-protection function extends the lifetime of connected buttons and switches

DRI16 | WIRED INPUT MODULE
– 16 channels

DRD3 | WIRED DIMMING ACTUATOR
– 3 channels

PROVIDES COSY LIGHTING

- Dims connected lamps via three, independent channels
- Enables infinitely variable dimming of connected light sources and lamps

Product ref. 152626A0

DRI32 | WIRED INPUT MODULE
– 32 channels

DRBL4 | WIRED BLIND ACTUATOR
– 4 channels

PROVIDES LIGHT AND SHADE

- Controls connected blinds, shutters and awnings via four potential-free, independent channels
- Enables flexible control of connected shading elements via conventional, wired buttons or Homematic IP wireless buttons and remote controls
- Convenient set up and operation directly on the device with the large, illuminated LC display
- Astro function and time profiles can be adjusted for each channel and are stored directly in the device

Product ref. 152431A0

UNIVERSAL SWITCH ACTUATOR

- Switches connected loads (e.g. lights) on or off via four potential-free, independent channels
- Enables flexible control of connected loads via conventional wired buttons or Homematic IP wireless buttons and remote controls

Product ref. 152419A0

Product ref. 151677A0

DRS4 | WIRED SWITCH ACTUATOR
– 4 channels

DRS8 | WIRED SWITCH ACTUATOR
– 8 channels

WTH | WIRED WALL THERMOSTAT WITH HUMIDITY SENSOR

FOR FULL CONTROL

- Measures the setpoint and actual temperature as well as humidity
- Manual adjustment of the setpoint temperature (to the nearest 0.5 °C) using the control wheel directly
- Measured values are displayed on the large display with white backlighting
- Convenient and accurate regulation of electric radiators in conjunction with Homematic IP switch actuators
- Reliable power supply and communication via the Homematic IP wired bus
- Flexible and easy to install into flush-mounted boxes by mounting plate and removable push-in clamp for bus connection

Product ref.
153473A0

Product ref.
152482A0

STHD | WIRED TEMPERATURE AND HUMIDITY SENSOR WITH DISPLAY
– indoor

EVERYTHING AT A GLANCE

- Measures the setpoint and actual temperature as well as humidity in indoor areas
- Convenient and accurate regulation of electric radiators in conjunction with Homematic IP switch actuators
- Measured values are displayed on the large display with white backlighting
- Reliable power supply and communication via the Homematic IP wired bus
- Flexible and easy to install into flush-mounted boxes by mounting plate and removable push-in clamp for bus connection

Product ref.
153650A0

Product ref.
154284A0

STH | WIRED TEMPERATURE AND HUMIDITY SENSOR
– indoor

UNOBTRUSIVE TEMPERATURE MEASUREMENT

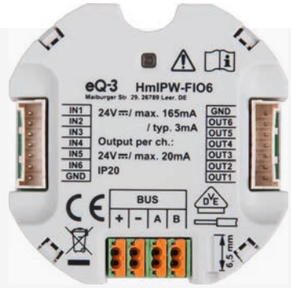
- Indoor temperature and humidity measurement and display
- Convenient and accurate regulation of electric radiators in conjunction with Homematic IP switch actuators
- Reliable power supply and communication via the Homematic IP wired bus
- Flexible and easy to install into flush-mounted boxes by mounting plate and removable push-in clamp for bus connection

Product ref.
153687A0

Product ref.
154286A0

FLEXIBILITY WHERE IT'S NEEDED

- Connects button inputs and LED outputs within the Homematic IP Wired system via the bus
- Six inputs and outputs enable convenient and individual connection of buttons, switches, contacts (e.g. reed contacts in windows) and LEDs
- Enables bus installations outside the main or sub-distributor in flush-mounted or surface-mounted boxes



FIO6 | WIRED IO MODUL FLUSH-MOUNT
– 6 channels

INVISIBLE SWITCHING

- Invisible switching of wired actuators
- Power supply via wired bus
- Extremely flexible for flush-mounted use and integration in existing switch systems
- Can be used, for example, to switch light sources on or off, or to dim them, or to move shutters up and down
- **SUITABLE FOR:**
  Homematic IP Wired actuators
  (see page 78 onwards)

BRC2 | WIRED REMOTE CONTROL FOR BRAND SWITCHES
– 2 channels

FLEXIBLE AND VERSATILE

- Extremely flexible
- Two intuitive buttons for the convenient control of devices or system functions – enables, for example, the switching of light sources or moving shutters up and down
- Power supply via wired bus
- Easy integration into existing switch systems (in 55 mm frames) and optimised for easy installation in flush-mounting boxes using the mounting plate supplied

WRC2 | WIRED WALL-MOUNT REMOTE CONTROL
– 2 buttons

SPI | WIRED PRESENCE SENSOR – indoor

EVERYTHING AT A GLANCE

- Reliably detects the presence of people by recording even the smallest of movements (e.g. hand movements on a keyboard)
- The integrated brightness sensor also measures the light intensity for actions that are only to be triggered in twilight or at night
- Optimum detection range of up to 7 m and a detection angle of approx. 105°
- Automatic adjustment of sensitivity in the case of high room temperatures (e.g. when using floor heating) for accurate motion detection

Product ref. 154128A0

Product ref. 153704A2

Product ref. 153706A2

Product ref. 153709A2

SMI55 | WIRED MOTION DETECTOR FOR 55 MM FRAMES – indoor

MOTION DETECTION IN SWITCH FORM

- Reliably detects motion and the light intensity
- Optimum detection range of up to 12 m and a detection angle of 120°
- Two buttons also enable manual control of Homematic IP wireless and wired devices – independently from the motion detection
- Reliable power supply and communication via the Homematic IP wired bus

Product ref. 153751A0

Product ref. 153712A2

BCC | WIRED BUS CABLE CONNECTOR

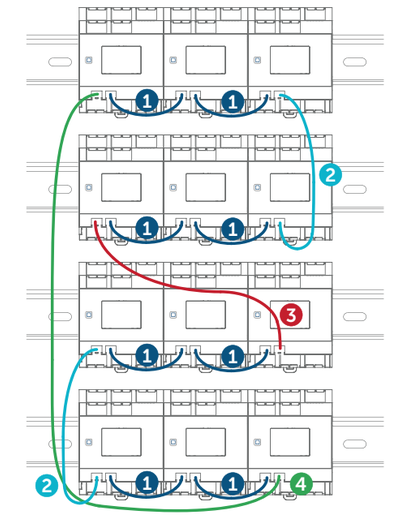
CONNECTS WHAT BELONGS TOGETHER

- Enables the junction from bus cables with Molex Ultrafit connectors to individual bus cables without connectors
- Enables the connection of Homematic IP wired flush-mounted devices to the Homematic IP wired system
- With four labelled clamp terminals for 0.2 to 1.5 mm^2 cables
- Can be mounted on a DIN rail without tools using a Wago DIN rail adapter (Wago product ref. 209-137)

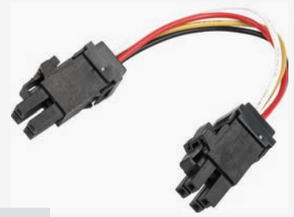
Product ref. 153390A0

EASILY CONNECTED

- Secure and simple connection of Homematic IP wired DIN-rail components within power distribution panels
- The 4 kV-resistant cable insulation means that the cables can be safely laid directly adjacent to mains voltage supply cables
- Molex Ultrafit connectors provide particularly quick and easy installation and additional protection against wiring faults
- Available in various lengths and therefore suitable for a wide range of uses: 10 cm, 22 cm, 39 cm and 62 cm



Bus connection cable:
1. 10 cm: connection of devices side by side
2. 22 cm: connection from end of the rail to end of the rail
3. 39 cm: connection from beginning of rail to end of the rail
4. 62 cm: connection from end of the to the benning of the field

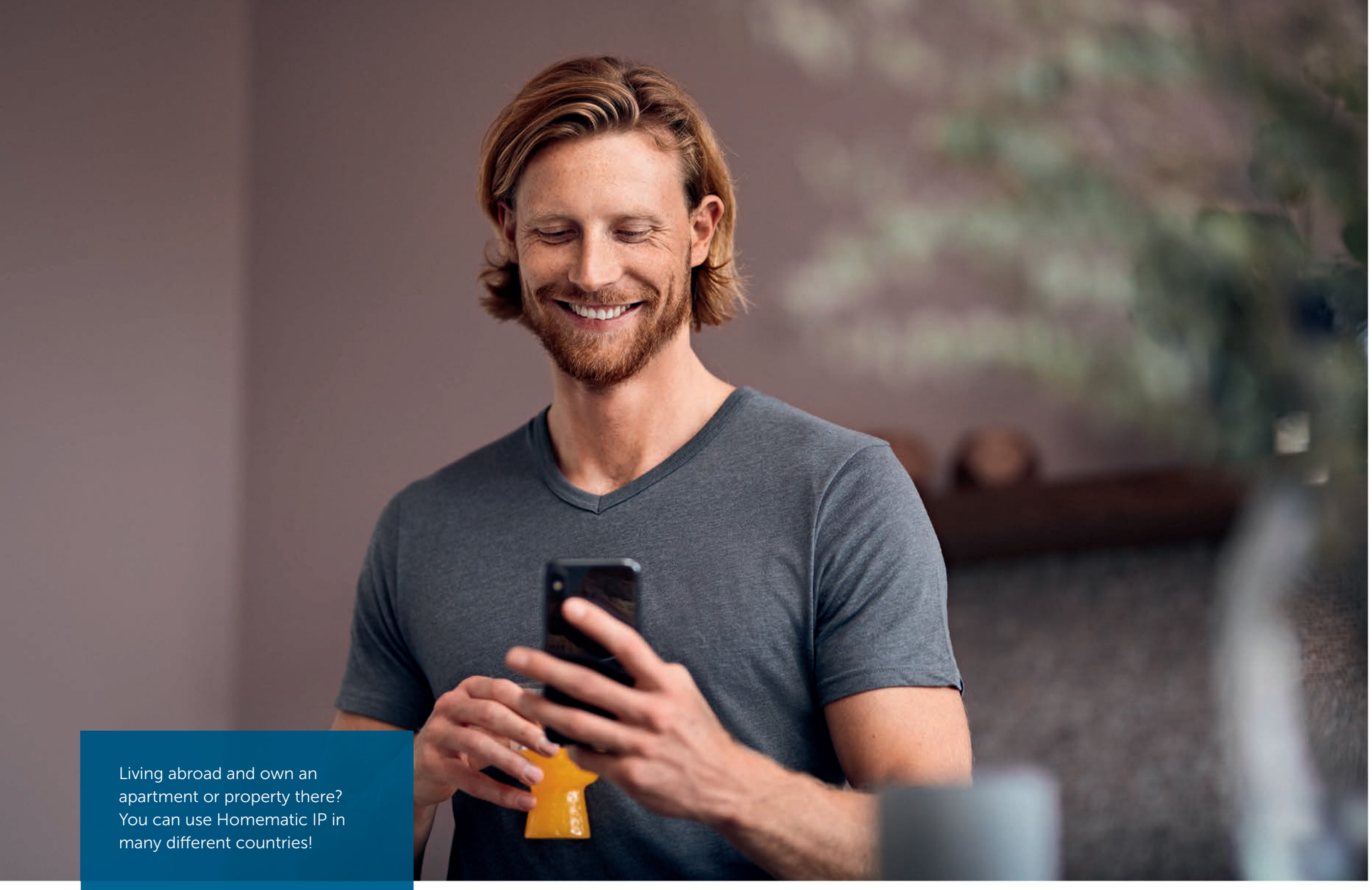


BC10 | WIRED BUS CONNECTION CABLE – 10 cm

BC22 | WIRED BUS CONNECTION CABLE – 22 cm

BC39 | WIRED BUS CONNECTION CABLE – 39 cm

BC62 | WIRED BUS CONNECTION CABLE – 62 cm



Living abroad and own an apartment or property there? You can use Homematic IP in many different countries!

AVAILABLE IN DIFFERENT LANGUAGES

International product variants
Borderless smart home

There are virtually no limits to your smart home dream since you can even use Homematic IP when you are not at home. All international product variants are available with the appropriate connections.

So, make your home smarter: in Britain, Germany, France, Spain, Italy, Switzerland and many other countries.

And to make sure that nothing goes wrong during setup, the user manuals and the Homematic IP app are of course available in each respective language.

HAP-UK | ACCESS POINT (UK)

THE HEART OF THE SYSTEM

- Connects the smartphone to the Homematic IP devices via the Homematic IP cloud
- Access Point is connected via network cable to a standard router
- No personal data required, secure server location in Germany
- Cloud access without recurring costs
- Particularly easy set-up and handling with intuitive user guidance
- British power supply unit (type G) supplied

Product ref.
151411A0

Product ref.
151479A0

ENABLES CUSTOMISED MOOD LIGHTING

- Trailing edge dimming actuator enables dimming and switching of many dimmable LED lamps, dimmable energy-saving lamps, LV and HV halogen lamps and incandescent lamps
- Modern, fully electronic trailing edge dimmer for quiet operation without noise emission
- The Homematic IP app offers virtually infinitely variable dimming of connected lights in 1% steps

PDT-UK | PLUGGABLE DIMMER – trailing edge (UK)

eTRV-2-UK | RADIATOR THERMOSTAT (UK)

ENSURES THE RIGHT TEMPERATURE

- Replaces conventional thermostats and regulates the room temperature according to the individual needs of the user
- Energy savings of up to 30% with demand-based heating through heating profiles, and automatic temperature reduction during ventilation
- Easy installation with no need to drain water or intervene in the heating system
- Flexible and easy control of the room temperature via the app – whether home or away – or conveniently via voice control (Amazon Alexa / Google Assistant)

Product ref.
151038A0

Product ref.
150006A0

SMALL AND VALUABLE

- The pluggable switch and meter enables switching of connected devices, for example floor lamps or electric heaters
- Additionally measures energy consumption, power, voltage and current
- Can be used to extend the range of the radio signal
- High measuring accuracy enables measuring also of stand-by loads
- Precise regulation of electric radiators in conjunction with a Homematic IP Wall Thermostat
- Low standby current
- Thanks to the compact design, the device does not block the surrounding sockets
- Convenient and individual voice control (e.g. via Amazon Alexa or Google Assistant)

PSM-PE | PLUGGABLE SWITCH AND METER (PIN-EARTH)

Product ref.
150007A0

Product ref.
150008A0

PSM-UK | PLUGGABLE SWITCH AND METER (UK)

PSM-IT | PLUGGABLE SWITCH AND METER (IT)

NEW

eTRV-B-UK | RADIATOR THERMOSTAT – basic (UK)[1]

THE ENTRY-LEVEL MODEL

- Saves on heating costs by up to 30% with individually configurable temperature profiles
- Manual operation via buttons: Set the heating profiles, temperature changes and trigger the boost function to heat up the room quickly
- Stand-alone operation "push-to-pair" possible even without an Access Point thanks to direct connections to window / door contacts with magnet (see page 34) and wall thermostats — basic (see page 20)

Product ref.
152849A0

Product ref.
150009A0

PSM-CH | PLUGGABLE SWITCH AND METER (CH)

[1]Not available via specialist dealer

Looking to create even more comfort and diversity with your smart home devices? A doddle with practical accessories.

ADD-ONS FOR ALL AREAS

Accessories

Add-ons for a particularly smart home

You can use your Homematic IP devices in even more ways and more conveniently with our range of practical accessories:

- **Power supply unit for brand switches:** to supply power to battery-operated wall-mount remote controls and wall thermostats – eliminates the need to replace batteries.
- **Multi IO Box DIN-rail adapter:** for the convenient mounting of the Multi IO Box on a DIN rail.
- **Desk stand:** conveniently place 55 x 55 mm battery-operated devices such as the wall-mount remote control and wall thermostats on a desk.

The entire range of accessories is technically and visually tailored to suit the respective point of use perfectly and is quick to set up.

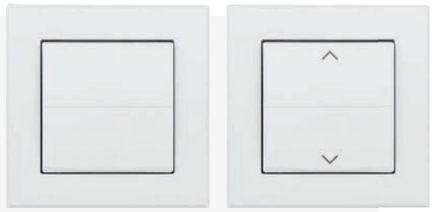
DS55 | DESK STAND

INCREASED POWER FOR 55 X 55 MM DEVICES

- Devices with the dimensions of 55 x 55 mm can be mounted into the desk stand without any tools
- Flexible mounting location thanks to battery operation and slip-resistant base (e.g. on a shelf or table)
- Supply voltage to the integrated device via AA batteries in the desk stand – which doubles the battery life of the inserted device
- Suitable for universal use of battery operated devices with the dimensions of 55 x 55 mm (e.g. Homematic IP Wall Thermostat or Homematic IP Wall-mount Remote Control)

Product ref.
141743A0

Product ref.
151197A0



BRU | BUTTON ROCKER FOR BRAND SWITCH SYSTEMS – universal

EASILY EXCHANGED

- Enables the operation of Homematic and Homematic IP Actuators for brand switches directly on the device
- Compatible with many Homematic and Homematic IP Actuators for brand switches
- With arrows, the rocker button is especially suitable for controlling shutters, awnings or blinds
- The adapter that is already inserted into the rocker button makes installation very easy by clicking into place at the radio actuator

Product ref.
153003A0

Product ref.
150123A2

BRA | BUTTON ROCKER FOR BRAND SWITCH SYSTEMS – with arrows

Product ref.
153001A0

SF-2 | CLIP-ON FRAME – small

WHEN SPACE IS AT A PREMIUM

- Universal application for space-saving wall mounting of battery-operated devices in 55 x 55 mm format (e.g. Homematic IP Wall Thermostat or Wall-mount Remote Control)
- Devices with the dimensions of 55 x 55 mm can be easily mounted into the small clip-on frame without any tools
- Installation is possible also at locations with little available space

Product ref.
170016

Product ref.
151996A0

Product ref.
170017

NO MORE BATTERIES NEEDED

- Offers 230 V power supply for Homematic IP devices with the dimensions of 55 x 55 mm, that usually work on batteries
- Devices with the dimensions of 55 x 55 mm can be easily fixed to the power supply unit without any tools
- Easy integration into the existing installation by mounting the device on a flush-mounted box (according to DIN 49073-1)

BPS | POWER SUPPLY UNIT FOR BRAND SWITCHES

IDEAL FOR DIN RAIL MOUNTING

- DIN-rail adapter for easy standard DIN-rail mounting of the Homematic IP Multi IO Box
- Fits to all 35 mm mounting rails according to DIN EN 60715
- Fast and secure installation by snapping onto the DIN-rail

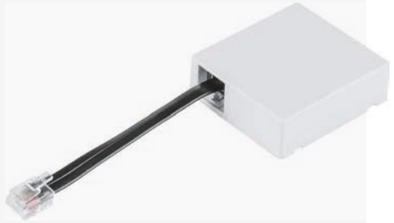
DRA | DIN-RAIL ADAPTER FOR MULTI IO BOX

VALVES FOR FLOOR HEATING

- Thermal valve drive for demand-based opening and closing of heating manifold, radiator and convection heater valves for convenient climate control
- Individual application and control options: in conjunction with Homematic IP Floor Heating Actuators (HmIP-FAL230/24-C6 or HmIP-FAL230/24-C10) or directly via the Homematic IP Wall Thermostat with switching output – for brand switches (HmIP-BWTH)
- Alternatively, can also be controlled using electro-mechanical wall thermostats

| VALVE DRIVE 230 V

| VALVE DRIVE 24 V



MOD-HO | MODULE FOR HÖRMANN DRIVES

INTEGRATES HÖRMANN INTO THE HOMEMATIC IP SYSTEM*

- Convenient and smart control of garage doors via smartphone app or a Homematic IP remote control
- *Compatible with the following Hörmann drives: SupraMatic series 3 E/P/HT, RotaMatic/P/PL (from 09/2010)/Solar Battery, LineaMatic/H/P (from 10/2009)/Solar Battery, SupraMatic/ProMatic series 4 (HCP adapter required, Hörmann order no. 4510204), VersaMatic/P/Solar battery

Product ref. 153986A0

Product ref. 154373A2

EQ3-ADA-VA80 | VALVE ADAPTER V80 FOR VALVE DRIVES
5 pieces

EASY TO SNAP ON

- Adapter for the simple assembly of valve drives or radiator thermostats on valves with a M30 x 1.5 mm thread size
- Can be universally used for the most popular valves from leading manufacturers such as Heimeier, MNG, Junkers, Honeywell-Braukmann, Oventrop, Comap, Schlösser and many more
- Can be used with the following valve drives or radiator thermostats: 230 V valve drive (product ref. 170016 – see page 91), 24 V valve drive (product ref. 170017 – see page 91)

CC-SYS-O-CY | THEFT PROTECTION FOR RADIATOR THERMOSTATS

RADIATOR THERMOSTATS STAY WHERE THEY BELONG

- Offers theft protection and prevents unauthorised removal of electronic radiator thermostats
- Ideal for use in public buildings or offices
- Suitable for the Homematic IP Radiator Thermostat (product ref. 140280A0 – see page 17)

Product ref. 103012

Product ref. 130366

ESB1 | INRUSH CURRENT LIMITER

PROTECTS AGAINST PREMATURE WEAR

- Reduces potential high inrush currents via an integrated NTC resistor, e.g. when using modern LED lamps
- Effectively protects against premature wear of the relay contacts of switching actuators caused by high inrush currents
- Flexible mounting in a flush-mounted box is possible thanks to the compact design

eTRV-C-TP | DISASSEMBLY PROTECTION
– compact, set of 5

ADDITIONAL SECURITY FOR RADIATOR THERMOSTATS

- Offers theft protection and prevents unauthorised removal of the Radiator Thermostat – compact (product ref. 151239A0 – see page 17)
- Ideal for use in public or office buildings like small businesses, offices, medical practices, etc.
- Quick installation without the need for additional mounting material by simply clicking the housing parts together

Product ref. 153740A1

Product ref. 154121A0

EQ3-RFA | RADIO ANALYSER
– 868 MHZ

ALWAYS KNOW WHO IS TRANSMITTING

- Display, analysis and control of radio telegrams from the Homematic IP, Homematic and MAX! systems on the 868.3 MHz radio frequency
- Detects the radio telegram from the smart home system in use and thus simplifies analysis of the radio environment
- Displaying the transmission power and reception quality of the devices in use means that the positioning of the individual components can be adapted within the smart home to achieve radio communication with as little interference as possible

ADAPTERS FOR RADIATOR THERMOSTATS

- Easy installation of the Homematic IP Radiator Thermostats to valves with a thread size of M30 x 1.5 mm
- Fits to valves from manufacturers Vaillant, Oventrop, Herz, Comap and Danfoss

ADAPTER SET DANFOSS

- Using this adapter set, electronic radiator thermostats from Homematic IP, Homematic and Eqiva can be mounted on radiators with Danfoss RA, RAV or RAVL connection valves

ADAPTER SET - HERZ, COMAP (M28 X 1.5)

- Using this adapter, electronic radiator thermostats from the Homematic IP, Homematic and Eqiva brands can be mounted on radiators with M28 x 1.5 mm connection valve. This includes, for example, radiator valves from manufacturers Herz, Comap, MMA and SAM

ADAPTER SET OVENTROP

- Using this adapter, electronic radiator thermostats from the Homematic IP, Homematic and Eqiva brands can be mounted on radiators with Oventrop M30 x 1.0 mm connection valve

ADAPTER SET VAILLANT

- Using this adapter, electronic radiator thermostats from the Homematic IP, Homematic and Eqiva brands can be mounted on radiators with Vaillant 30.5 mm connection valve

Index

A | Access Point | HAP ... 12
Access Point (UK) | HAP-UK ... 86
Adapters for brand switch systems ... 57
Adapters for Radiator Thermostats ... 94
Alarm Siren | ASIR-2 ... 36
Alarm Siren – outdoor | ASIR-O ... 36

B | Blind Actuator for DIN rail mount – 4 channels | DRBLI4 ... 71
Blinds Actuator – flush-mount | FBL ... 47
Blinds Actuator for brand switches | BBL ... 46
Button Rocker for brand switch systems – universal | BRU ... 90
Button Rocker for brand switch systems – with arrows | BRA ... 90

C | Central Control Unit | CCU3 ... 13
Clip-on frame – small | SF-2 ... 90
Contact Interface | SCI ... 37
Contact Interface flush-mount – 1 channel | FCI1 ... 67
Contact Interface flush-mount – 6 channels | FCI6 ... 67

D | Desk Stand | DS55 ... 90
Dimmer Compensator | DC ... 41
Dimming Actuator flush-mount – trailing edge | FDT ... 41
Dimming Actuator for brand switches – trailing edge | BDT ... 41
Dimming Actuator for DIN rail mount – 3 channels | DRDI3 ... 71
DIN-Rail Adapter for Multi IO Box | DRA ... 91
Disassembly Protection – compact, set of 5 | eTRV-C-TP ... 92

F | Floor Heating Actuator – 6 channels, 24 V | FAL24-C6 ... 26
Floor Heating Actuator – 6 channels, 230 V | FAL230-C6 ... 26
Floor Heating Actuator – 10 channels, 24 V | FAL24-C10 ... 26
Floor Heating Actuator – 10 channels, 230 V | FAL230-C10 ... 26
Floor Heating Actuator – 12 channels, motorised | FALMOT-C12 ... 25

G | Garage Door Controller | WGC ... 51

I | Inrush Current Limiter | ESB1 ... 93

K | Key Ring Remote Control – 4 buttons | KRC4 ... 65
Key Ring Remote Control – alarm | KRCA ... 65

L | Light Sensor – outdoor | SLO ... 47

M | Module for Hörmann drives | MOD-HO ... 92
Motion Detector for 55mm frames – indoor | SMI55 ... 42
Motion Detector with Brightness Sensor – indoor | SMI ... 33
Motion Detector with Brightness Sensor – outdoor, anthracite | SMO-A ... 43
Motion Detector with Brightness Sensor – outdoor, white | SMO ... 43
Multi IO Box | MIOB ... 27

P | Passage Sensor with Direction Recognition | SPDR ... 33
Pluggable Dimmer – trailing edge | PDT ... 40
Pluggable Dimmer – trailing edge (UK) | PDT-UK ... 87
Pluggable Switch | PS ... 50
Pluggable Switch and Meter | PSM ... 50
Pluggable Switch and Meter (CH) | PSM-CH ... 87
Pluggable Switch and Meter (IT) | PSM-IT ... 87
Pluggable Switch and Meter (Pin-Earth) | PSM-PE ... 87
Pluggable Switch and Meter (UK) | PSM-UK ... 87
Power Supply Unit for brand switches | BPS ... 91
Presence Sensor – indoor | SPI ... 42

R | Radiator Thermostat | eTRV-2 ... 16
Radiator Thermostat – basic | eTRV-B ... 17
Radiator Thermostat – basic (UK) | eTRV-B-UK ... 86
Radiator Thermostat – compact | eTRV-C ... 17
Radiator Thermostat (UK) | eTRV-2-UK ... 86
Radio Analyser – 868 MHz | EQ3-RFA ... 93
Rain Sensor | SRD ... 61
Remote Control – 8 buttons | RC8 ... 65
Remote Control for brand switches – 2 channels | BRC2 ... 64
Rotary Button | WRCR ... 66

Index

S | Shutter Actuator – flush-mount | FROLL ... 47
Shutter Actuator for brand switches | BROLL ... 46
Smoke Alarm with Q label | SWSD ... 37
Starter Set Alarm | SK7 ... 32
Starter Set Climate Control | SK1 ... 16
Starter Set Light | SK6 ... 40
Starter Set Shutter Control | SK5 ... 46
Starter Set Smoke Alarm | SK4 ... 33
Starter Set Water Alarm | SK8 ... 32
Switch Actuator and Meter (16 A) – flush-mount | FSM16 ... 51
Switch Actuator and Meter – flush-mount | FSM ... 51
Switch Actuator and Meter for brand switches | BSM ... 50
Switch Actuator for brand switches – with signal lamp | BSL ... 52
Switch Actuator for DIN rail mount – 1 channel | DRSI1 ... 70
Switch Actuator for DIN rail mount – 4 channel | DRSI4 ... 70
Switch Actuator for heating systems – 2 channels | WHS2 ... 27
Switch Actuator with Push-button Input – flush-mount | FSI16 ... 51
Switch Circuit Board | PCBS ... 50

T | Temperature and Humidity Sensor – indoor | STH ... 19
Temperature and Humidity Sensor – outdoor, anthracite | STHO-A ... 61
Temperature and Humidity Sensor – outdoor, white | STHO ... 61
Temperature and Humidity Sensor with display – indoor | STHD ... 18
Theft Protection for Radiator Thermostats | CC-SYS-O-CY ... 92
Transformer for Floor Heating Actuators – 24 V | FAL24-TR ... 26

V | Valve Adapter V80 for Valve Drives, 5 pieces | EQ3-ADA-VA80 ... 93
Valve Drive, 24 V | Valve Drive, 230 V ... 91
Valve Drive – motorised | VDMOT ... 25

W | Wall-mount Remote Control – 2 channels | WRC2 ... 64
Wall-mount Remote Control – 6 channels | WRC6 ... 64
Wall-mount Remote Control – flat | WRCC2 ... 66
Wall Thermostat – basic | WTH-B ... 20
Wall Thermostat with Humidity Sensor | WTH-2 ... 18
Wall Thermostat with switching output for brand switches | BWTH ... 19
Wall Thermostat with switching output for brand switches, 24 V | BWTH24 ... 19
Water Sensor | SWD ... 36
Weather Sensor – basic | SWO-B ... 60
Weather Sensor – plus | SWO-PL ... 60
Weather Sensor – pro | SWO-PR ... 61
Window / Door Contact – invisible installation | SWDO-I ... 34
Window / Door Contact – optical | SWDO ... 35
Window / Door Contact – optical, plus | SWDO-PL ... 35
Window / Door Contact – with magnet | SWDM ... 34
Window Handle Sensor | SRH ... 35
Wired Access Point | DRAP ... 78
Wired Blind Actuator – 4 channels | DRBL4 ... 78
Wired Bus Cable Connector | BCC ... 82
Wired Bus Connection Cable – 10 cm | BC10 ... 83
Wired Bus Connection Cable – 22 cm | BC22 ... 83
Wired Bus Connection Cable – 39 cm | BC39 ... 83
Wired Bus Connection Cable – 62 cm | BC62 ... 83
Wired Dimming Actuator – 3 channels | DRD3 ... 78
Wired Input Module – 16 channels | DRI16 ... 79
Wired Input Module – 32 channels | DRI32 ... 79
Wired IO Modul flush-mount – 6 channels | FIO6 ... 81
Wired Motion Detector for 55 mm frames – indoor | SMI55 ... 82
Wired Presence Sensor – indoor | SPI ... 82
Wired Remote Control for brand switches – 2 channels | BRC2 ... 81
Wired Switch Actuator – 4 channels | DRS4 ... 79
Wired Switch Actuator – 8 channels | DRS8 ... 79
Wired Temperature and Humidity Sensor – indoor | STH ... 80
Wired Temperature and Humidity Sensor with display – indoor | STHD ... 80
Wired Wall-mount Remote Control – 2 buttons | WRC2 ... 81
Wired Wall Thermostat with Humidity Sensor | WTH ... 80

Notes

homematic IP

170041

Changes, errors and printing errors excepted.
Version spring | summer 2020