

Floor Heating Actuator – 12 channels, motorised

Product ref.: 153621A0



Technical specifications

Supply voltage	230 V/50 Hz or 24 Vdc/SELV
Current consumption	500 mA max. or 375 mA max. (at 24 Vdc/SELV)
Cable type and cross section	rigid and flexible cable, 0.12-0.5 mm ²
Degree of protection	IP20
Ambient temperature	0 to 50° C
Dimensions (W x H x D)	242 x 85 x 52 mm
Length connecting cable	1.5 m
Weight	440 g
Radio frequency band	868.0-868.6 MHz 869.4-869.65 MHz
Typ. open area RF range	320 m
Max. number of heating circuits	12

Product features

- Continuous and energy-efficient control of the floor heating in combination with motorised valve drives for comfortable control of the room temperature
- Instead of using thermal actuators (open/closed), the combination of a floor heating actuator and motorised valve drives (HmIP-VDMOT) offers continuous and steady regulation of the floor heating. Thus, there is no need for hydraulic balancing of the single heating circuits
- Instead of common 3 to 5 W per heating circuit, the continuous regulation only requires 0.2 W for the temperature control in the entire house*
- Efficient utilisation of the heating system and precise temperature control also in case of low heating demand
- Tool-free installation via plug connections with polarity reversal protection and snap-on connection of valve drives
- Automatic detection of the valve position and travel for easier installation
- Adaptive control works with automatic, thermal balancing
- Large, illuminated LC display clearly shows all valve positions
- Individual temperature profiles with up to 13 changes per day in 6 adjustable heating profiles (3x heating/3x cooling)
- Suitable for all kinds of water-based floor heatings
- Besides a Homematic IP Wall Thermostat (per room), one of the following solutions is required:
 - Stand-alone (without Access Point or Central Control Unit, configuration directly at the wall thermostat)
 - Homematic IP Access Point with free smartphone app and free cloud service
 - Central Control Unit CCU2/CCU3 with local user interface WebUI
 - Third-party solutions of partners

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

Logistical data

Product reference	153621A0
EAN code	4047976536214
Short description	HmIP-FALMOT-C12
Packing unit	12
Packing dimensions	184 x 281 x 97 mm
Weight incl. packaging	917.0 g

Package contents

Homematic IP Floor Heating Actuator – 12 channels, motorised

Power cable

Mounting material (2x screws, 2x plugs)

User manual