

EH-800/EH-800B

Intelligent heating controller

EH-800 is a heating controller for private homes and business facilities having heating systems with circulating water. An extension unit can be obtained as optional equipment making it possible to take a second control circuit or hybrid functions in use. If a second control circuit has been taken into use, numbers 1 or 2 will appear on the main display indicating which control circuit is in use. The EH-800 model has an intra/ internet connection (the EH-800 B model does not have it).



TECHNICAL SPECIFICATION

Product code	OMA0558, OMA0559
Dimensions	width 172 mm, height 91 mm, depth 73 mm
Weight	900 g
Casing	PC/ABS, IP42
Operating temperature	0...50 °C
Storing temperature	-20...+70 °C
Operating voltage	24 VDC, 3.5W (cord and plug-in power source is included) (the operating voltage can also be 24 VAC, 50/60 Hz, 7 VA)
Controller	Compact PI controller. The controller and actuator in one. The actuator's torque is 10 Nm and the swing angle is 90° and speed 150 s.
Control modes	Outdoor compensated supply water control Outdoor and room compensated control Supply water constant temperature control Drying use (concrete floor drying)
Mounting	Can be mounted to Termomix and Esbe 3MG valves using the mounting kit. Included Mounting kits for Esbe VRG and Belimo R4..D(K) valves as optional equipment.
Connections	Supply water sensor Outdoor temperature sensor Measurement 3 and 4: taken into use using a connection cord) USB-device RJ45-2 Ethernet RJ45-1 Pre-connected NTC surface sensor, 1.5 m fixed connection cord, time constant < 2s 15 m cord with plug, if necessary it can be lengthened or shortened, NTC, time constant < 10 min Use: e.g., room compensation (measurement and/or potentiometer), home/away switch, alarm contact use, return water temperature measurement, etc PC's connection, e.g., in program updating RS-232 connection for GSM-modem Connection occurs using the extension unit (optional equipment) 1 pc Universal input 1 pc Digital input 1 pc Digital output 1 pc Analog output Local network / internet connection (not in the EH-800B model) Battery backup (connection occurs using the extension unit, not in the EH-800B model)
Warranty	3 years
Standards	EMC-directive Interference tolerance Interference emissions Small voltage directive -Safety 2014/30/EU, 93/68/EEC EN 61000-6-1 EN 61000-6-3 2014/35/EEC, 93/68/EEC EN 60730-1