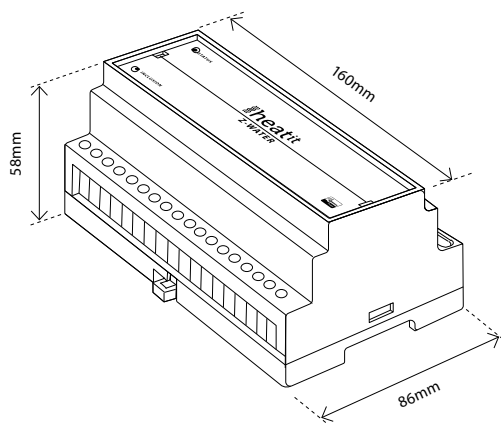# heatit
CONTROLS

HEATIT Z-WATER

- REGULATOR FOR HYDRONIC HEATING SYSTEMS

Heatit Z-Water is a DIN-rail regulator for controlling hydronic heating. Heatit Z-Water is a module that clips right onto a DIN rail to add a variety of functions to your wireless Z-Wave network. Heatit Z-Water is equipped with 10 relay outputs and it has 4 analog/digital inputs, and a Z-Wave radio for interfacing to the wireless Z-Wave network. The module can be power supplied from a 230V AC mains connection, and is able to deliver an output supply of 24V DC. Heatit Z-Water relay outputs are able to be freely controlled from the Z-Wave network, and can be used for several purposes, e.g. on/off control of light, control of valve actuators for an underfloor heating system, or control of other home automation systems.

Heatit Z-Water analog/digital inputs (different firmware versions) can be configured to work with different functionality and can be connected to potential free contacts, open-collector outputs, and will be able to control other Z-Wave devices; switches, dimmers, etc. Furthermore, the inputs can be used as a Scene Controller and send Central Scene notifications to the Z-Wave gateway. It is possible to configure the level and the indication of the status indicator LED in the front of the Heatit Z-Water module.

heatit

PRODUCT INFO Heatit Z-Water

FEATURES

- The relay outputs may be used for controlling actuators/valves in a hydronic heating system
- May be used to control both 24V actuators and 230V actuators
- Analog/digital inputs (different FW versions)
- Can be used together with a Heatit Z-Temp sensor in each zone
- DIN rail mounting
- Works as a Z-Wave repeater
- Compatible with Z-Wave and Z-Wave Plus gateways
- Firmware updates (OTA)
- Available firmware versions (analog/digital inputs)
- Supports encryption mode: S0, S2 Access Control Class, S2 Authenticated Class, S2 Unauthenticated Class

TECHNICAL DATA

Protocol	Z-Wave Plus (Pending Certification) - 500 Series
SDK	6.71.00
Rated voltage	100V-240V 50/60Hz
Power consumption	0.6W standby
Fuse	3.15A Quick-Acting, UMF 250 Schurter Inc., part no.: 3405.0171.11
24V DC output	Maximum 1.17A, 28W
Relay outputs	Rated carry current: 5A
	Max. switching voltage: 250V AC, 30V DC
	Max. switching current: 5A
	Max. switching power: 1,250 VA, 150W
Inputs	Max. input voltage: 10V DC
	Input impedance: 10 KΩ
	Loop output voltage: 5V DC
Explorer frame supp.	Yes
Device type	Slave with routing capabilities
Generic device class	Binary Switch
Specific device class	Valve Open Close
Routing	Yes
FLiRS	No
Z-Wave Plus	Yes
Approvals	CE
	EN 50491-3: 2009
	EN 60669-2: 2004

WARRANTY

2 years

ART. NO.	PRODUCT	Z-WAVE FREQUENCY
99 124 20	Heatit Z-Water - regulator for hydronic heating systems	EU 868,4 MHz
99 124 21	Heatit Z-Water - regulator for hydronic heating systems	BR 921,4 MHz
99 124 22	Heatit Z-Water - regulator for hydronic heating systems	US 908,4 MHz
99 124 23	Heatit Z-Water - regulator for hydronic heating systems	RU 869 MHz
99 124 24	Heatit Z-Water - regulator for hydronic heating systems	US2 916 MHz
99 124 25	Heatit Z-Water - regulator for hydronic heating systems	IND 865,2 MHz