

MDT Heating Actuator MDRC 4-fold/ 8-fold

Version

AKH-0400.01	Heating Actuator 4-fold	2TE MDRC, to control electrothermic valve drives 24-230VAC
AKH-0800.01	Heating Actuator 8-fold	4TE MDRC, to control electrothermic valve drives 24-230VAC

The MDT Heating Actuators receive KNX/EIB telegrams and control up to independent electrical outputs . Each channel has its own LED indicator.

Each channel supplies up to 5 electrothermic valve drives and can be parameterized individually via ETS3/4. The channels are controllable with PWM (1-bit) or 1-byte telegrams. The integrated temperature controller manages the actuating value given by external KNX temperature sensors. The temperature controller offers comfort-, night-, frost protection- and summer- /winter- operation.

The Heating Actuators detect mains voltage failure and have emergency operation if the cyclic telegram is missing. Additionally they provide objects for heating request and cyclic movement of the valves.

The Heating Actuator is a modular installation device for fixed installation in dry rooms. It fits on DIN 35mm rails in power distribution boards or closed compact boxes.

For project design and commissioning of the Heating Actuator it is recommended to use the ETS3f/ETS4 or later. Please download the application software at www.mdt.de\downloads.

AKH-0400.01



AKH-0800.01



- production in Germany, certified according to ISO 9001
- modern design
- fully compatible to all KNX/EIB devices
- Each channel controls up to 5 electrothermic valve drives
- Each output controllable with 1-bit or 1-byte telegram
- Direct controllable by KNX temperature sensors
- Integrated temperature controller (PI,Two-position, PWM)
- Comfort-, night-, frost protection- and summer-/winter-operation
- Emergency operation if cyclic telegram is missing
- Short-circuit detection of connected load
- Detection of mains voltage failure
- Objects for heating request and cyclic movement of the valves
- Integrated bus coupling unit
- 3 years warranty

Technical Data	AKH-0400.01 AKH-0800.01
Configuration	
Number of outputs	4/8
Power supply	
Supply voltage	via Bus
Outputs	24-230VAC
Power consumption	< 0,3W
Output switching current	
24VAC and ohmic load	500mA
230VAC and ohmic load	50mA
Maximum load	--
Number of electrotermic valves	5 each channel
Output life expectancy	Triac output
permitted wire gauge	
Screw terminal	2,5mm ²
KNX busconnection terminal	0,8mm ²
Operation temperature range	0 to + 45°C
Enclosure	IP 20
Dimensions MDRC	2/4TE

Exemplary circuit diagram AKH-0800.01

