

EM Extension module

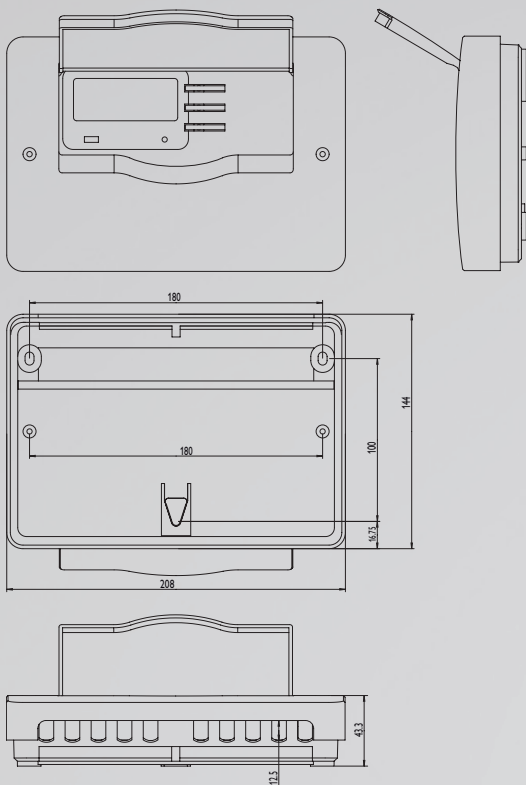
For the connection to the *DeltaSol®* MX, *DeltaSol®* BX Plus or *DeltaTherm®* HC



Extension of the controllers
by 6 sensor inputs and 5 relay outputs

- ✓ 7-segment LC display
- ✓ Function control
- ✓ Slide switch 0 Auto I
- ✓ RESOLVBus® data interface
- ✓ Energy-efficient switching-mode power supply
- ✓ 4 semiconductor relays, 1 potential-free relay
- ✓ Different sensor types to choose from (Pt1000, Pt500, KTY)
- ✓ Up to 5 Extension Modules can be connected to the *DeltaSol®* MX
- ✓ Up to 2 Extension Modules can be connected to the *DeltaSol®* BX Plus
- ✓ Up to 5 Extension Modules can be connected to the *DeltaTherm®* HC
- ✓ Usable for all optional functions of the *DeltaSol®* MX, *DeltaSol®* BX Plus and *DeltaTherm®* HC
- ✓ Easy to install, configuration via the controller

Technical data



Inputs: 6 Pt1000, Pt500 or KTY temperature sensors

Outputs: 4 semiconductor relays and 1 potential-free relay

Switching capacity:

1 (1) A 240 V~ (semiconductor relay)

4 (1) A 24 V= / 240 V~ (potential-free relay)

Total switching capacity: 4 A 240 V~

Power supply: 100 ... 240 V~ (50 ... 60 Hz)

Supply connection: type Y attachment

Standby: 0,30 W

Mode of operation: type 1.B.C.Y action

Rated impulse voltage: 2.5 kV

Data interface: RESOL VBus®

Housing: plastic, PC-ABS and PMMA

Mounting: wall mounting

Indication / Display: LC display, 7-segment display

Operation: 3 push buttons and 1 slide switch at the front of the housing

Ingress protection: IP 20 / EN 60529

Protection class: II

Ambient temperature: 0 ... 40 °C

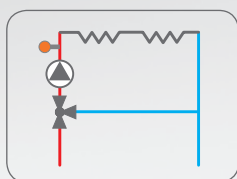
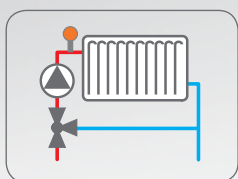
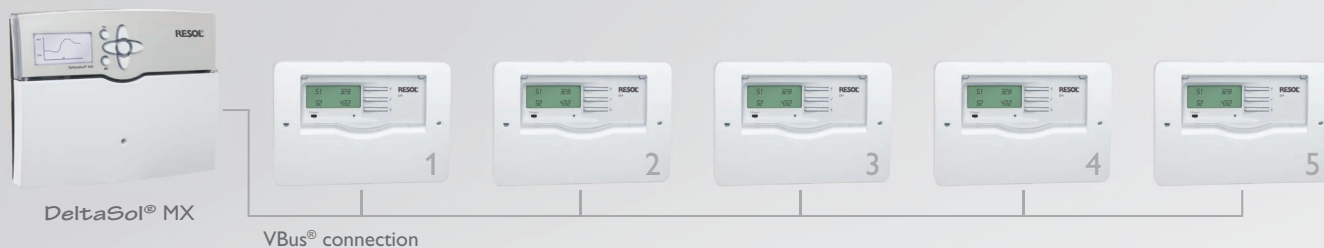
Pollution degree: 2

Dimensions: 144 × 208 × 43 mm

Electrical connection

RESOL® EM Made in Germany														R1-A R5-M							R1-R4 1 (1) A (100 ... 240) V~ R5 1 (1) A (100 ... 240) V~					T4A 100 ... 240 V~ 50-60 Hz				
S1	S2	S3	S4	S5	S6	VBus	15	16	17	18	19	20	21	N	R4	N	R3	N	R2	N	R1	N	L							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

Example



e. g. controlling up to 7 heating circuits with one MX