



Central heating module for MaggiorDOMO® systems

- Allows energy to be supplied in proportion to actual demand
- Management of flow temperature thresholds remotely
- Remote control unit time management
- Energy and economic savings

XCM-MCT-100

Applications

For residential

XCM-MCT-100 allows the connection of a MaggiorDOMO® system to the heating plant in order to **optimize the use of energy** and achieve **greater savings**. The module provides a maximum of seven clean contacts that can be combined with the pumps of the same number of control unit circuits. As soon as an apartment connected to a circuit requires heat, the relative contact closes allowing **the activation of the relative circuit pump combined with it**. The module also provides a **value proportional to the heat demand of the periphery** (via 0-10V and 4-20mA signals), allowing the control unit that governs the central unit to **deliver energy in proportion to the actual demand**. The flow **temperature acquisition** function allows to interrupt the metering if the flow falls below a threshold. The threshold can also be set remotely. XCM-MTC-100 provides a **contact that can be connected to the calendar** of the MaggiorDOMO® system so as to manage **the times of the central unit remotely**, or acquires a contact provided by the central clock that informs the system of the operation of the central unit, so as to ensure the correct metering of the heat in the periphery.

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Technical Features

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| General specifications | Protection Range: Front: IP40; Screw Terminals: IP20 Operative Temperature: -10 ÷ +60 °C Relative Humidity: MAX 95% not condensing |
| Case | Dimensions: 73 x 136 x 60 mm (W x H x D) Mounting: DIN-rail Required DIN modules: 4 DIN modules Electric Board Type: Industrial or switchboard Material: Self extinguishing: UL 94 V-0 |
| Power supply | Supply Voltage: 24 VAC (50-60 Hz), 35 VA max or 20 ÷ 30 VDC Consumption: < 12 W Connectors types: Removable terminals |
| Ups | Battery Type: SuperCap for internal clock function maintenance Approximate Battery Life: Keep watch data in the event of power failure for 3 days when the battery is fully charged |
| Datalogger function | Memory Type: Flash 256 KB; RAM 4 KB |
| Rs485 interface | Supported Protocols: Master or slave ModBUS RTU Communication Rate: 100 Kbit/s Isolation: Non optoisolated Connectors types: Removable terminals |
| Digital inputs | Channels: 2 for clean contact (Central On/Off, Central Alarm) |
| Analog inputs | Channels: 1 for flow temperature Precision: PT1000 |
| Digital outputs | Channels: 9 for clean contact (7 pumps, 1 boiler, 1 calendar) |

Technical Features

Analog outputs

Output Type: 1 of type 0-10 V and 1 of type 4-20 mA (proportional output)

Certifications

Approvals: CE