kerberos



IP20 | RS485 ModBUS | UPS | 4–20 mA | #0-10V

XCM-MCT-100

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**

Applications

For residential

For the community

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.

CODE
KET-PLC-200

Technical Features

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-O
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