

MCT88M-IO

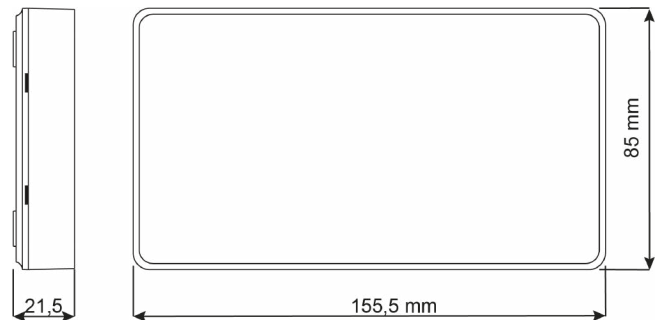
Proximity reader

roger

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Data sheet

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The MCT88M-IO is an access terminal dedicated to RACS 5 system. The terminal is equipped with a colour graphic display, sensor type keypad, 4 function keys and MIFARE® Ultralight/Classic/DESFire (EV1, EV2, EV3)/Plus reader. Users can identify at the terminal with PINs, MIFARE cards or mobile devices equipped with NFC (Near Field Communication) and BLE (Bluetooth Low Energy) interfaces. MCT88M-IO can be connected directly to RS485 bus of MC16 access controller. When connected to MC16 controller it can be operated as access control terminal,

Time & Attendance terminal and additionally it can be used to control the system especially in regard of building automation functionalities offered by RACS 5.

Features

- RACS 5 system access terminal
- colour graphic display
- MIFARE® Ultralight/Classic/DESFire (EV1, EV2, EV3)/Plus cards reader
- NFC and BLE mobile device identification
- touch keypad
- 4 function keys
- 3 parametric (EOL) inputs
- 2 transistor outputs
- 1 relay output
- RS485 interface
- dimensions: 85.0 x 155.5 x 21.5 mm (height x width x depth)
- CE, RoHS

Versions

Item	Description
MCT88M-IO	Access terminal; colour matrix display; 3 EOL inputs; 2 transistor outputs; 1 relay output; sensor keypad; 4 function keys; MIFARE® Ultralight/Classic/DESFire (EV1, EV2, EV3)/Plus/NFC/Bluetooth; 12 V supply; QUADRUS series design

Technical data

Parameter	Description
Supply voltage	12 VDC
Average current consumption	~110 mA
Inputs	3 parametric inputs internally connected to the power supply plus (+12 V) through a 5.6 kΩ resistor, approx. 3.5 V triggering level when configured as NO or NC
Relay output	Relay output with single NO/NC contacts, rated 30 V/1 A
Transistor outputs	2 (IO1, IO2) open collector outputs, 15 VDC/150 mA rated
Tamper protection	Enclosure opening reported to access controller
Identification	ISO/IEC14443A MIFARE Ultralight, Classic, DESFire (EV1, EV2, EV3) and Plus proximity cards; Mobile device (Android) compatible with NFC; Mobile device (Android, iOS) compatible with BLE (Bluetooth Low Energy) v4.1
Reading range	Up to 7 cm for MIFARE and NFC; Up to 10 m for BLE Note: In case of interference, the abovementioned ranges may be significantly reduced and in extreme cases reading may even be impossible.
RS485 distances	Up to 1200 m between controller and terminal
Impact resistance	IK05
Environmental class according to EN 50133-1	Indoor general conditions; relative humidity: 10 ... 75% (no condensation); temperature: +5°C ... +40°C
Dimensions (H×W×D)	85×155.5×21.5 mm
Weight	190 g
Certificates	CE, RoHS

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