



## General Description

The MCT84M series readers are indoor RFID access terminals dedicated for RACS 5 access control system. Readers need to be connected to a host device, which usually is an access controller, and can't operate autonomously. The MCT84M terminal can read either factory programmed card serial number (CSN) or any user card number (PCN) programmed in encrypted data blocks or files on a card. Because the CSN card numbers are not encrypted and can be duplicated the PCN numbers should be used for access control systems in general. Communication with controller is achieved through RS485 bus which can utilize free topology (e.g. three, star and

combination of them) and any type of signal cables. The maximal distance between controller and reader is limited to 1200m of cable run. Configuration of the reader as well as firmware upgrade is made through RS485 and require RogerVDM (Windows) program. The front panel of the reader is made from the special plastic with offers scratch resistance comparable with glass however, unlike it, unbreakable. The neutral shape of enclosure match various style of interiors including traditional, modern or even historical ones. Because of its narrow shape the MCT84M can be installed on door frame and other door construction elements with limited space.

## Features

- 13.56 MHz ISO14443A, reads factory programmed card number (CSN):
  - MIFARE® ULTRALIGHT
  - MIFARE® Classic 1k and 4k
  - MIFARE® Plus
  - MIFARE® DESFire EV1
- Reads user programmed card number (PCN):
  - MIFARE® Classic 1k and 4k
- Up to 5 cm reading range
- Support for normal and long card reading method
- RS485 communication interface
- Three LEDs
- Buzzer with loudness level adjustment
- Sensor type keypad with regulated backlight level (!)
- Two function keys (!)
- Tamper contact with detection of enclosure detachment and opening
- 12VDC power supply
- Configuration and firmware upgrade through RS485 (RogerVDM)
- Indoor environment
- White and black color versions
- Dimensions (H x W x D): 130 X 45 X 22 mm
- CE mark

(!) doesn't refer to product version without keypad

Order guide	
Item	Description
<b>MCT84M-B</b>	Version with touch type keypad, black panel, dark grey enclosure
<b>MCT84M-W</b>	Version with touch type keypad, white panel and enclosure, offered as product in special version
<b>MCT84M-BK-B</b>	Version without keypad, black panel, dark grey enclosure
<b>MCT84M-BK-W</b>	Version without keypad, white panel and enclosure, offered as product in special version

## Legal Notice

This document is not intended to be a technical specification of the product and has informative character only. The Manufactures of product reserves right to change its characteristic without notice. The product features listed in this document refer to the entire series and depends on particular product version, configuration and additional equipment.

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