

Matrix 2 EH

Proximity card reader



GENERAL INFORMATION

Reader "MATRIX-II"EH is used in access control systems as a reader for non-contact cards of PROXIMITY type, EM-Marine and HID standard, and for conversion of read card code into Dallas Touch Memory code and Wiegand 26. Rader enables simultaneous usage of cards of two standards, EM-Marine and HID, in access control systems.

CHARACTERISTICS

- Identifiers: cards of EM-Marine and HID standards
- Automatic identification of card standard without additional setting.
- Card/keychain reading distance: 6-14 cm
- Output protocol: Dallas Touch Memory, Wiegand 26
- Distance from reader to controller in Dallas Touch Memory mode – up to 15 m.
- Distance from reader to controller in Wiegand mode – up to 100 m.
- Card reading confirmation: buzzer signal, two-color LED
- Indication: internal and from external control
- Supply voltage: 8-18 VDC
- Current consumption in a standby mode: 35 mA
- Operating temperature: -40°C up to +50°C
- Relative humidity, not greater: 95%
- Dimensions (mm): 85x44x18 mm

READER OPERATION

Reader operation without external indication control (internal indication):

1. When there is no card in the reader's action field, red LED is always on.
2. At the moment the card is brought to the reader's action field red LED turns off, green LED blinks and short sound is produced.
3. While the card is in the reader's action field there is no light indication.

External control of red and green LEDs and sound is performed by closing on the common terminal. External indication can be used with internal one, i.e. external control excludes only the channel, where external control is detected.

CONNECTION SCHEME

Connection for Wiegand 26 and Ibutton	
Reader's terminals	Controller's terminals
Wiegand 26	
DATE 0	DATE 0
DATE 1	DATE 1
Dallas (TM emulation)	
DATE 0	TM (central)
DATE 1	Common (-)
Dallas (single transfer)	
DATE 0	TM (central)
DATE 1	TM (central)

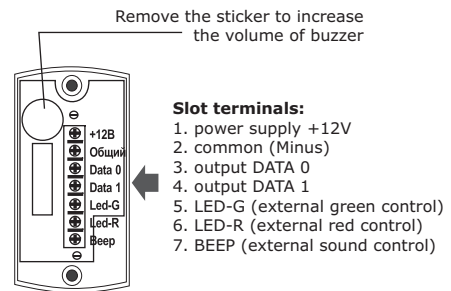
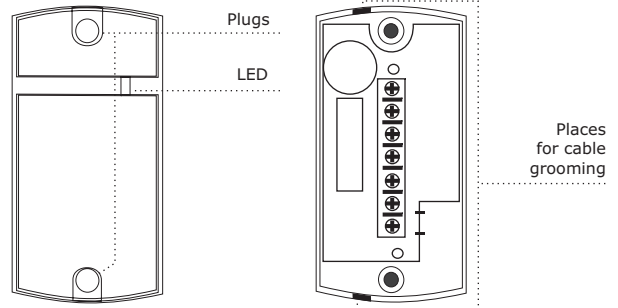


Fig. 1

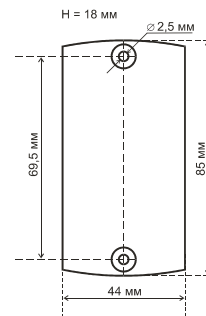
MOUNTING AND CONNECTION

Reader is mounted on a flat surface at the place, where PROXIMITY card can be brought to it without obstructions. Complete following operations for "MATRIX-II"EH reader mounting:

1. Mark up and drill holes for fastening corresponding to the reader's holes size (fig. 1.).
2. Connect cables to the reader's slot, according to the scheme.
3. Depending on the direction of mounting of the reader's connection cable remove the thin strap in the reader case and install a cable into it.

When the power is applied to the reader the red LED is lighted.

4. Mount the reader and fasten it with screws. Cover the holes in the reader with plugs from the set.



DELIVERY SET

- "MATRIX-II"EH reader 1 pc
- Plug 2 pcs
- Screw 3x302 pcs
- Dowel 2 pcs
- Operating manual 1 pc

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