



**Comes in different versions, according to the type of ticket and mounting (surface or built-in). Higher security can be achieved by connecting an Extension Relay Board.**

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# Door Access Terminal

## DESCRIPTION



Door Access Terminal (DAT) is designed to form a one-way check point for various types of tickets. It gives a single relay signal for access mechanisms such as electric door strike, etc. Normally it is mounted near door where passage control is needed. It comes in different versions, according to the type of ticket and mounting (surface or built-in). Higher security can be achieved by connecting an Extension Relay Board.

Door Access Terminal operates on line with Metra software. It must be connected to Metra NET Network. When RFID ticket is presented access rights are checked in the Metra database. If valid the unit triggers its relay.

Passage on Door Access Terminal for particular ticket can also be externally controlled by 3<sup>rd</sup> party SW via TCP/IP software interface.

Operating parameters are defined in the Metra software. Event data from device is used for further analyses with this software.

- **Reads RFID Tickets as door keys**
- **One direction access control**
- **Different RFID Media supported as ticket**
- **Audio and visual LED signalisation**
- **Single relay output (optional extension relay board)**
- **Door status sensor input**
- **Tamper sensor**
- **Operating parameters defined in software**
- **Passage for particular ticket can be authorised externally via TCP/IP software interface**

## EXTENSION AND ALARM OPTIONS:

To achieve even higher security, alarm input and extension outputs can be used.

Alarm is triggered under the following conditions:

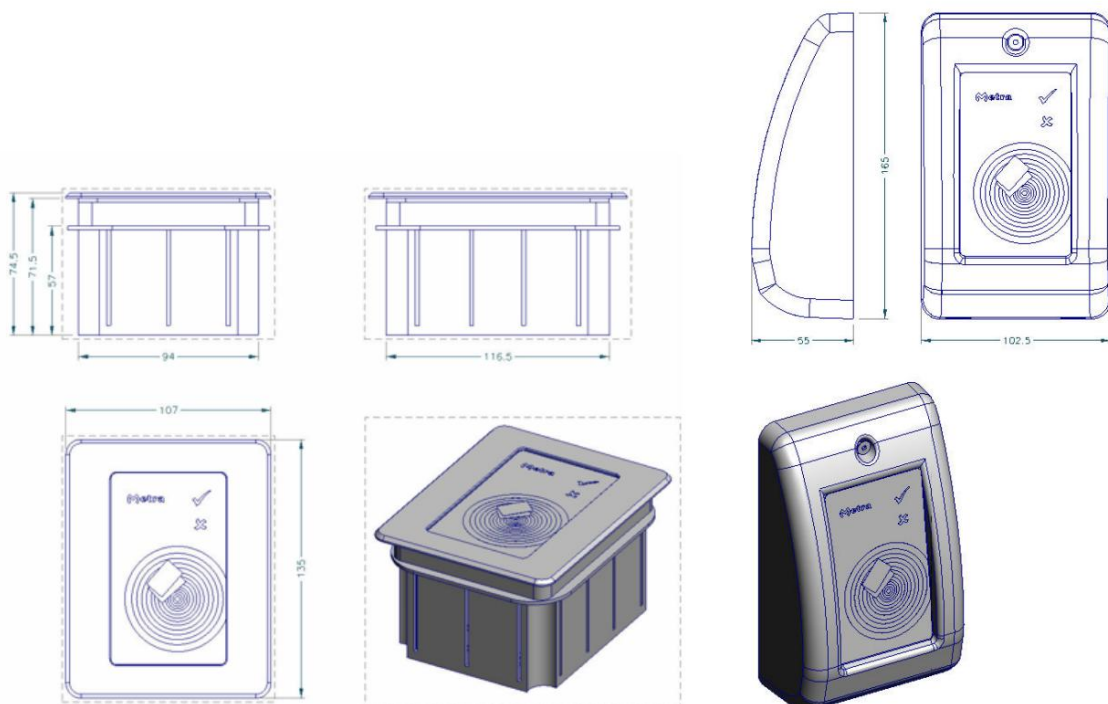
- Door brake in (the door was opened without signal from DAT)
- The door is left open for too long
- The terminal is disassembled without authorisation (tamper alarm)

For the first two alarms door status info (door opened/closed) is needed. For this a door sensor is required; often already integrated in electric door strike.

For higher security remote Extension relay board can be ordered; it is installed on the safe side of the door. DAT controls it via protocol connection up to 100 m distance.

## TECHNICAL DATA:

- Power consumption 12 V DC / 0.5 A
- Relay output (NO / NC relay, NO / NC 30 V / 1 A)
- Pushbutton input
- Tamper sensor integrated on PCB
- Door status sensor input
- Metra NET (CAN) Network
- RS 232 communication channel for parameters setting
- Non volatile memory to store operational parameters
- Different RFID Media supported (see order codes bellow)
- Temperature operating range: -10 °C up to +50 °C
- Dimensions in mm (w/h/d): 103 / 165 / 55 **surface model**
- Dimensions in mm (w/h/d): 107 / 135 / 75 (3) **in-wall model**



## HOW TO ORDER?

1	2	3	4	5
EL	DL	IS LF LG MF	S U	- _XXX

**Example:**

**ELDLISU** In-wall mounting Door Access Terminal with ISO Reader.

**NOTE:**

Standard models are supplied with front mask in grey colour.

**Column 1:**

EL ... Supports standard RFID Tickets

**Column 2:**

DL ... Door Access Terminal

**Column 3:**

IS	ISO reader 13.56 MHz. Reads all ISO15693 and ISO14443 A/B compatible RFID Media.
LF	LF Multitag reader. Reads different Low Frequency (125 – 134 kHz) RFID Media. Hitag 1, Hitag 2, Hitag S, EM Marin
LG	Legic reader. Reads Legic Prime and Legic Advant 13.56 MHz RFID Media.
MF	Mifare reader. Reads all ISO14443 A/B compatible RFID Media.

**Column 4:**

S ... Surface Mounting

U ... In-wall Mounting

**Column 5:**

- ... Standard colour combination (supplied with front mask in grey colour).

XXX... Reserved for additional colour coding. Contact Metra sales for colour options.

## HOUSING OPTIONS:

### Door Access Terminal for surface mounting



ORDER CODE:

**ELDL\*\_S\***

**Note:**

*\*For order codes see above!*

*Power supply is not included!*

### Door Access Terminal for in-wall mounting



ORDER CODE:

**ELDL\*\_U\***

**Note:**

*\*For order codes see above!*

*Power supply is not included!*

## ORDER CODES Accessories:

### Power supply: 12 V / 2,5 A

- Input: 100 – 240 VAC / 28 W / 50 – 60 Hz
- Input connector: EU standard 230 VAC connector
- Output: 12 VDC / 2.5 A
- Output cable length: 1.4 m
- Output connectors: Insulated ferrules 0.75
- Temperature operating range: 0 °C up to +70 °C

ORDER CODE:  
**PS1220E**



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### Extension Relay Module for Door Access Terminal

Includes Extension Relay board and Distribution board with additional network and power connectors. Used for higher security to drive electric door strike. Mounted up to 100 m from the Door Access Terminal on safe side of the door.

ORDER CODE:  
**SA000445**

