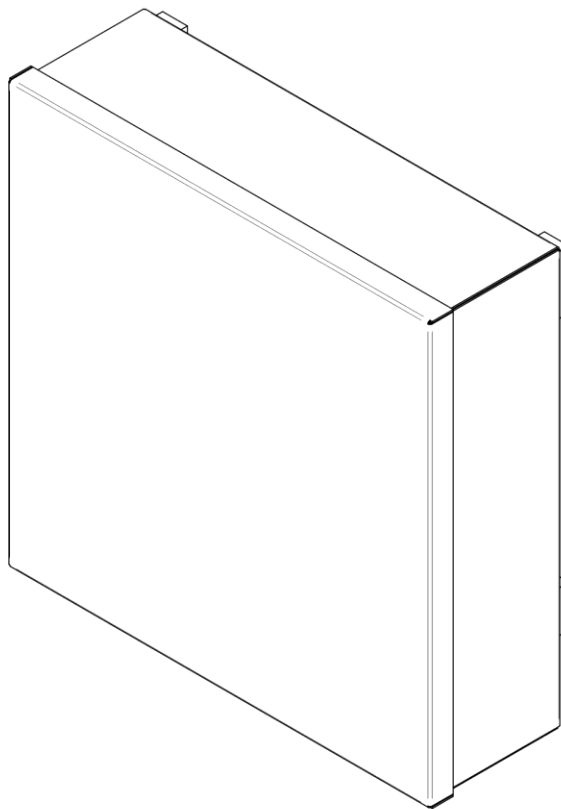


Roger Access Control System

ME-1 metal enclosure User Manual

Product version: 1.3

Document version: Rev. C






DESIGN AND APPLICATION

ME-1 metal enclosure is dedicated to installation of RACS 4 and RACS 4 modules and devices. The enclosure is equipped with DIN rail, 18VAC/40VA transformer, tamper and it offers space for 7Ah backup battery. The enclosure front panel is attached with screws. ME-1 is made of white powder coated stainless metal sheet.

INSTALLATION

1. The enclosure must be installed indoors ensuring nominal environmental conditions as stated in the Specification section.
2. All installation and maintenance works must be done with 230VAC power supply disconnected.
3. Power supply must be ensured with three wire cable including green-yellow PE.
4. Mains power supply cable must be fed into the enclosure through hole B.
5. L and N cable wires must be connected to L and N terminals of the transformer while green-yellow PE wire must be connected to terminal C of the enclosure.
6. Free I cable which is connected to A electric shock protection (PE electrode) must be connected to the terminal $\frac{1}{\text{I}}$ of transformer.
7. F connector must be connected to enclosure door.
8. The transformer in the enclosure is dedicated to continuous operation and is not equipped with on/off switch. Therefore it is necessary to ensure overload protection in power supply circuit e.g. by applying and indicating dedicated fuse in fuse box.
9. The user of system must be acquainted with power disconnection rules and conditions.
10. Transformer's 18VAC power output must be connected to AC terminals of supplied device using included cables.
11. Other connections must be done in accordance with manuals of installed devices.
12. Connection cables for installed devices must be fed into enclosure through hole D.
13. Starting, configuration and adjustments must be done in accordance with system procedures after connection of 230VAC power supply.
14. Close the enclosure when installation and starting works are finished.

	<p style="text-align: center;">Caution</p> <p>The installation can be done only by qualified person with all necessary certificates concerning connection and maintenance of 230VAC and low voltage networks.</p>
	<p style="text-align: center;">Caution</p> <p>It is forbidden to use the enclosure without properly executed and operational earthing system.</p>
	<p style="text-align: center;">Caution</p> <p>Earthing system must be executed carefully, properly and effectively. It is forbidden to use transformer without properly executed electric shock protection.</p>

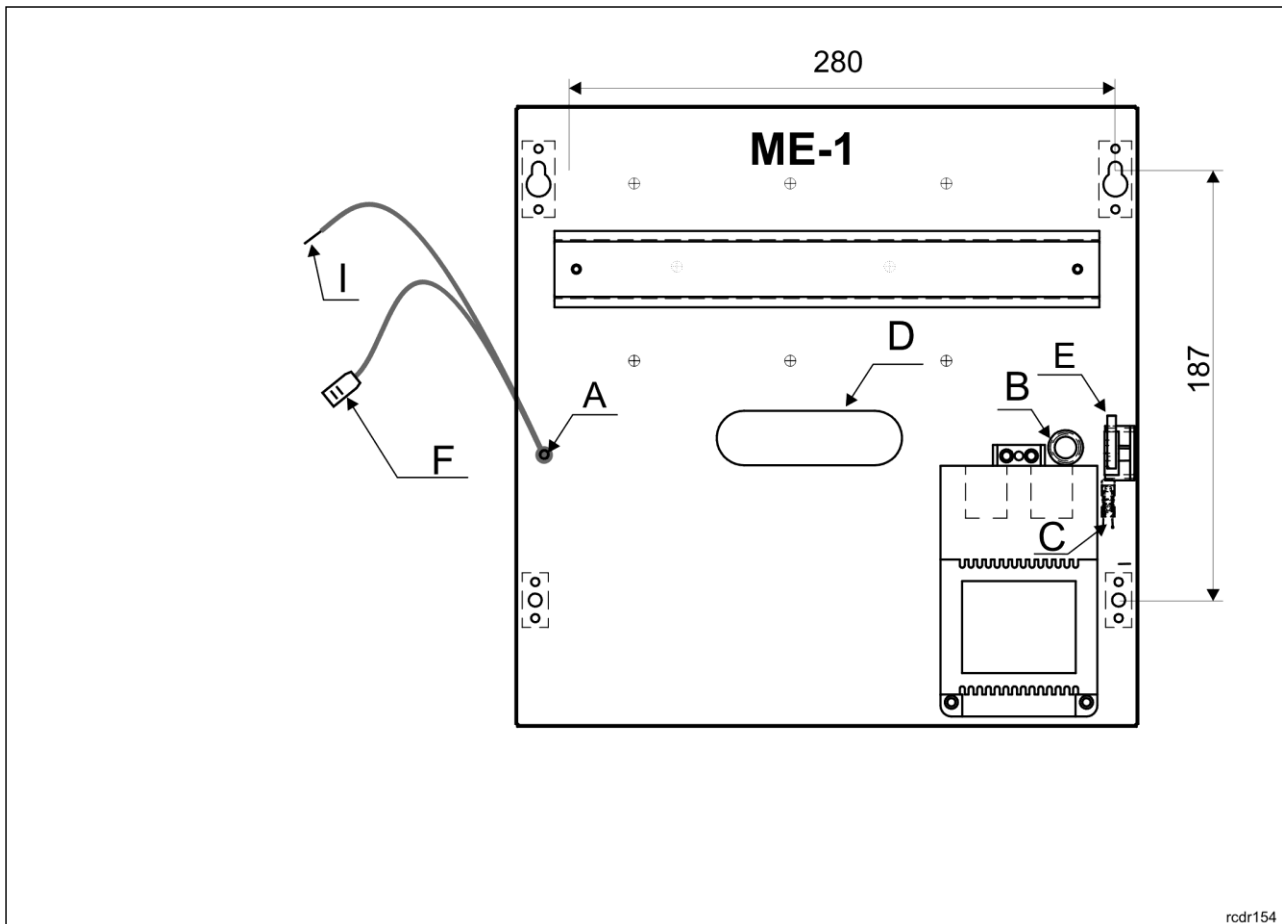


Fig. 1 Arrangement of ME-1 internal components

SPECIFICATION

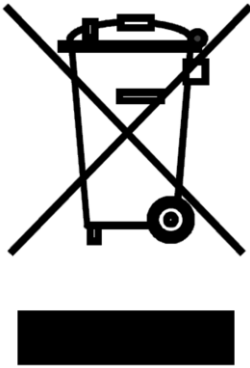
Parameter	Value
Transformer	TRZ 40/16/18
Tamper	NO/NC; 50mA/50VDC
DIN rail	1 x 280mm
Metal sheet	DC01; 0,7mm; anti-corrosion protection
Colour	RAL9003
Battery	Space for 7Ah battery
Environmental conditions	Indoor general conditions, relative humidity up to 90%; temperature -10°C to +40°C
IP code	IP20
External dimensions of front panel (H x W x D)	295 x 285mm
External dimensions of enclosure (H x W x D)	290 x 280 x 80mm (+8mm for installation distance)
Weight	3,2kg

ORDERING INFORMATION

Product	Description
ME-1	Metal enclosure
ML-1	Mechanical door lock for ME-1
ME-1-BT	Metal enclosure without transformer

PRODUCT HISTORY

Version	Date	Description
ME-1 v1.0	09/2006	The first commercial version of the product
ME-1 v1.1	07/2011	Adaptation to PR402DR-BRD and PR411DR-BRD controllers
ME-1 v1.3	05/2013	DIN rail included
ME-1-BT v1.3	01/2018	ME-1 enclosure without transformer implemented

	<p>This symbol placed on a product or packaging indicates that the product should not be disposed of with other wastes as this may have a negative impact on the environment and health. The user is obliged to deliver equipment to the designated collection points of electric and electronic waste. For detailed information on recycling, contact your local authorities, waste disposal company or point of purchase. Separate collection and recycling of this type of waste contributes to the protection of the natural resources and is safe to health and the environment. Weight of the equipment is specified in the document.</p>
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