

*Roger Access Control System*

## ME-1 Metal Enclosure

# Operating Manual

*Hardware version: 1.3*

*Document version: Rev. B*



## 1. INTRODUCTION

The ME-1 enclosure is made from metal sheet and painted with powder coating. Originally, it was designed for CPR32-NET and PR402DR/PR411DR DIN rail units however it can be used for other RACS system components which are mounted straight on the rear wall of the enclosure e.g.: CPR32-SE-BRD, PR402-BRD, PR402DR-BRD and PR411DR-BRD. The ME-1 enclosure has built-in 18V/40VA power transformer, tamper contact and can accommodate 12V/7Ah a backup battery.

Table 1. Specification	
Parameter	Value
Rated power supply	230VAC (+/- 15%), 50Hz
Transformer	TRZ 40/16/18
Output voltage	18VAC/2,0A or 16VAC/2,2A
Output power	40VA
Tamper contact	30VDC/0,5A
Environmental class	- 10C..+40C, humidity 10-90% (without condensation)
Dimensions	285x295x88mm (W x H x D)
Weight	3,2kg

## 2. INSTALLATION

The power transformer used in ME-1 enclosure is designed for continuous operation and doesn't have a supply switch. The electric circuit used to supply transformer must be equipped with adequate overload protection and allow easy disconnection from the 230VAC mains without necessity of modifications of existing wiring. It is necessary to instruct the end user about the method of disconnecting from the mains voltage, e.g. by means of designated fuse in the switchboard. Electrical installation must be completed in accordance with valid regulations and standards. In case when enclosure is dedicated for installation of non-rail devices the T35 rail can be removed. Enclosure should to be mounted on a vertical part of construction in a location protected from moisture, dust and in which assures nominal operating conditions required for the enclosure and device installed inside. The 230VAC power supply cable must enter the enclosure through the dedicated cable bushing and be connected to 230VAC L-N transformer terminals while the PE protective conductor should be connected to screw terminal with ground symbol.



Note: The enclosure should to be installed by a qualified person with adequate permission for 230VAC mains and low-voltage installations. Before installation and maintenance, make sure that the 230VAC mains is disconnected. It is forbidden to use this equipment without proper and effective electric shock protection otherwise it may cause damage to device and/or fatal human injuries (e.g. electric shock).

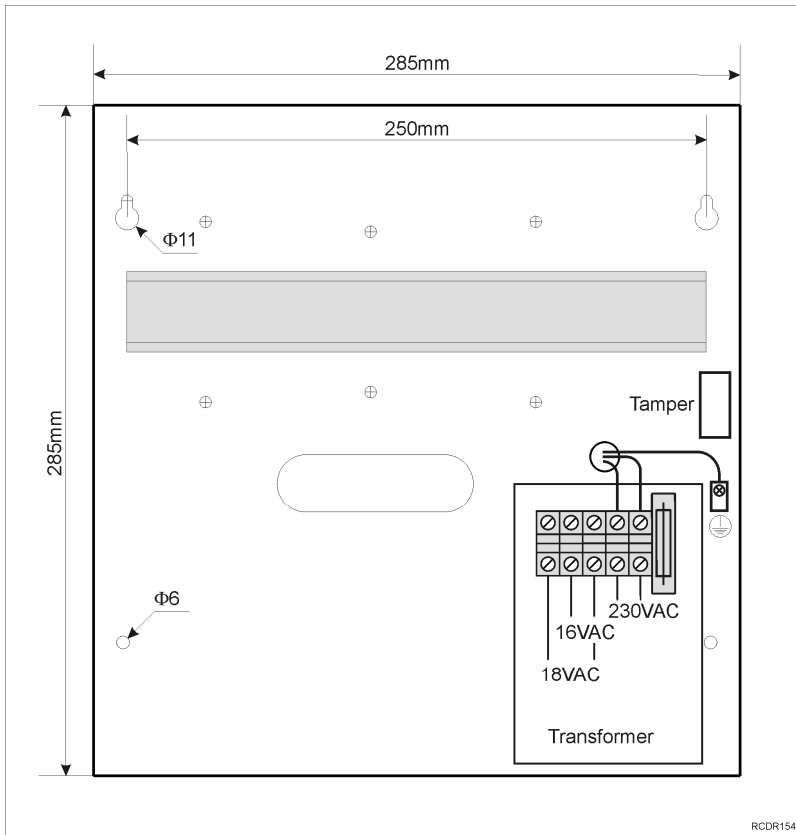


Fig. 1. Inside view of ME-1

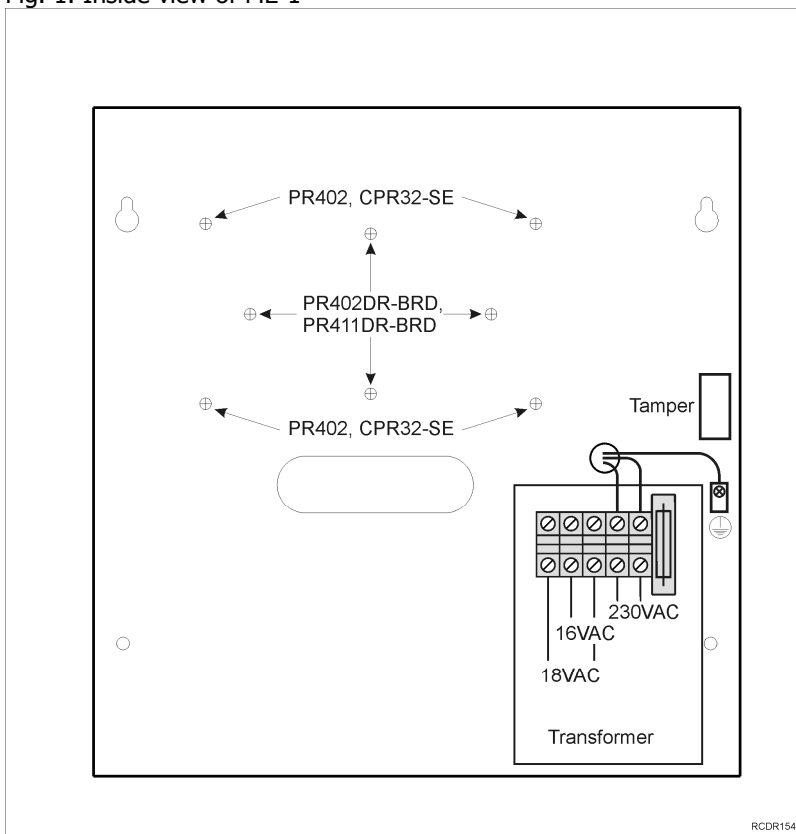


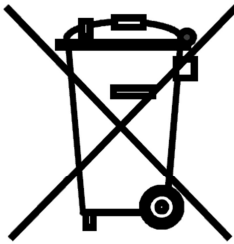

Fig. 2. The mounting holes for electronic modules.

### 3. ORDERING INFORMATION

Product	Description
ME-1	Metal enclosure
ML-1	Mechanical lock for ME-1 metal enclosure

### 4. PRODUCT HISTORY

Version	Date	Description
ME-1 v1.0	09/2006	The first commercial version of the product
ME-1 v1.1	07/2011	Enclosure has been adapted for installation of PR402DR-BRD and PR411DR-BRD electronic modules
ME-1 v1.3	05/2013	Factory preinstalled T35 rail

 	<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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