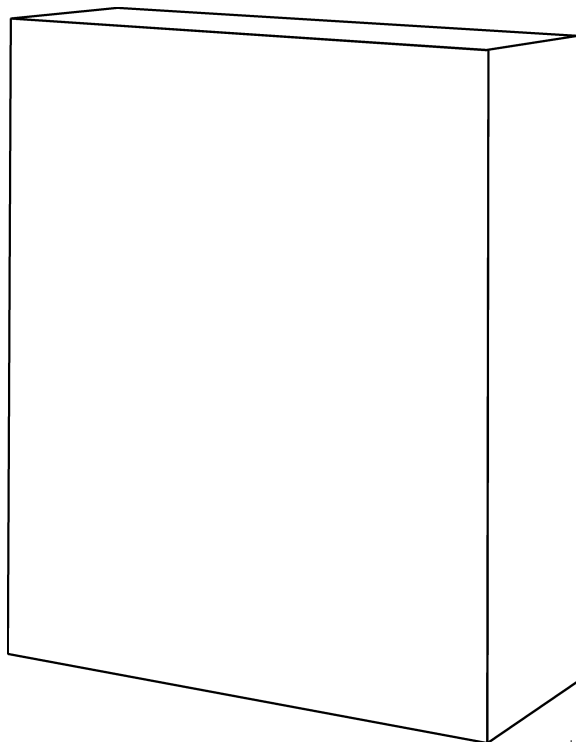


Roger Access Control System

Installation guide for PR411DR-SET and PR402DR-SET

Hardware version: 2.0

Document version: Rev. A



rcdr161

1. INTRODUCTION

1.1. This manual

This document contains essential information required during installation of PR411DR-SET and/or PR402DR-SET. Detailed information regarding installation of PR411DR or PR402DR access controllers can be found in included installation guides of these devices. Detailed information regarding configuration and functionalities of PR411DR or PR402DR access controllers can be found in functional manuals for PRxx1 and PRxx2 series respectively, available at www.roger.pl website.

2. DESCRIPTION AND SPECIFICATION

PR411DR-SET and PR402DR-SET (further referred to as PR4xxDR-SET) are kits consisting of PR411DR-BRD or PR402DR-BRD access controller and mains power supply transformer (TRP 40/16/18) factory assembled in metal enclosure with a place for backup battery 7Ah/12V. The enclosure is equipped with tamper switch. Each set can provide single door access control point with one or two side identification. Each set can work with PRT series readers manufactured by Roger, or with any other terminals working in one of popular data transmission formats like Wiegand or Magstripe. Connection method is given in Installation Guides of PR411DR and PR402DR controllers.

Benefits related to access control sets:

- Complete solution. The kit contains all (apart from readers) devices needed to build fully functional access control point
- Esthetical metal enclosure
- Quick and easy installation by means of included accessories

Table 1. Specification	
Supply voltage	230VAC (+/- 15%), 50Hz
Transformer	TRP 40/16/18
Transformer output voltage	18VAC/2,0A (supply voltage for controller) or 16VAC/2.2A
Tamper	30VDC/0,5A
Place for backup battery	7Ah/12V; sealed lead-acid battery (SLA)
Front panel closing	Four screws on the door side
Environmental class (according to EN50131-1)	Class I, indoor conditions, temp.: +5°C - +40°C, relative humidity: 10 - 95% (no condensation)
Dimensions H x W x D	285x295x88mm
Weight (without battery)	approx. 3,5kg
Certificates	CE

PR4xxDR-SET contains the following elements:

- PR4xxDR-BRD module access controller adapted to installation on DIN 35mm rail
- Mains transformer TRP 40/16/18
- Proximity card of Master user
- Set of jumpers for addressing the controller
- Metal enclosure with tamper switch, DIN rail (35mm)
- Mounting screws
- Back-up battery and transformer cables
- Manuals

3. INSTALLATION

3.1 Installation guidelines

The enclosure should be mounted by qualified installer with adequate certificates and authorizations for 230VAC and low voltage installations.

Power transformer is designed for continuous operations and is equipped with exchangeable overload protection (fuse). The final user should be informed by installer of method for disconnection of 230VAC power supply (e.g. marking of dedicated fuse in switchgear). Electrical installation must be completed in accordance with valid regulations and standards. Apply 3 wire cable for power supply circuit (230VAC) including yellow-green PE protective conductor.

PR4xxDR-SET is designed for indoor operation, in accordance with environmental class I (temp. +5°C - +40°C, humidity: 10..95% (without condensation)). Metal enclosure of the set can be installed either in vertical (wall) or in horizontal position (floor).

While choosing a place for installation, please make sure that ventilating holes, placed at the back side of the enclosure, are not covered.

Note: Prior to starting installation and maintenance works it is necessary to ensure that 230VAC power supply is disconnected. Any works inside the enclosure should be done with disconnected 230VAC voltage. It is forbidden to use power supply unit without proper and effective electric shock protection. Otherwise it may cause damage to devices and injuries (electric shock).

3.2 Installation

Installation of the set should be done according to the following procedure:

- Install enclosure in desired place and bring power supply and signal cables into the enclosure.
- Connect 230VAC power supply cables to L-N connectors of mains transformer.
- Connect PE cable (yellow-green) to enclosure ground terminal.
- Make all remaining cable connections according to desired access controller configuration.
- Install backup battery in its place (see Fig.1).
- Connect backup battery and mains voltage.
- Configure PR4xxDR access controller according to desired work scenario (see adequate manuals for PRxx2/PRxx1 access controllers).

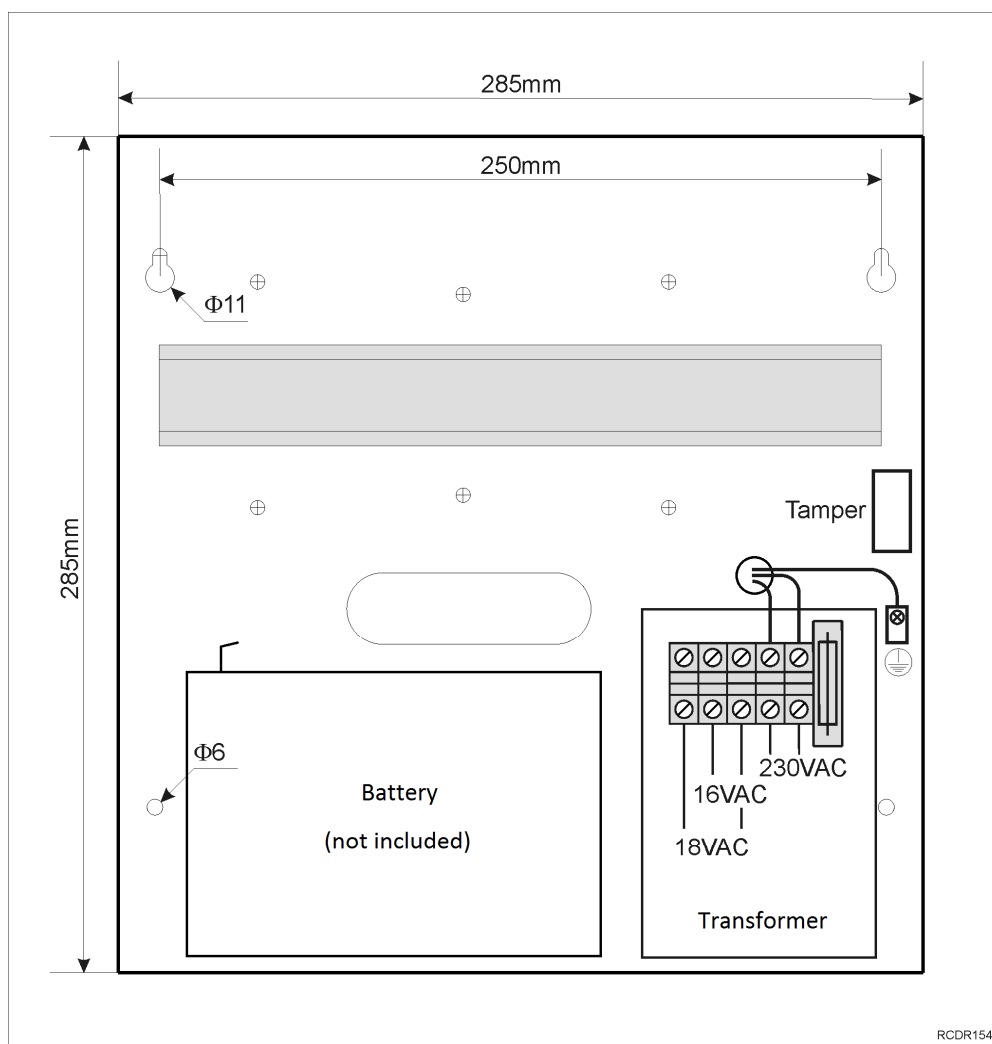


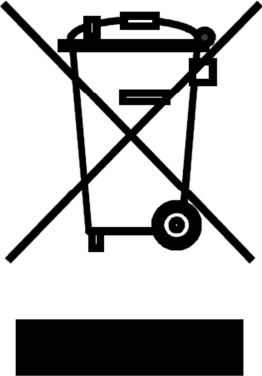
Fig. 1 Schematic view of PR4xxDR-SET enclosure

4. ORDERING INFORMATION

Table. 2 Ordering information	
PR411DR-SET	Access control set containing PR411DR-BRD module access controller, mains power supply module and metal enclosure
PR402DR-SET	Access control set containing PR402DR-BRD module access controller, mains power supply module and metal enclosure
PR411DR	Access controller in 35mm DIN rail enclosure
PR402DR	Access controller in 35mm DIN rail enclosure
PR411DR-BRD	Access controller module adapted to installation on DIN 35mm rail
PR402DR-BRD	Access controller module adapted to installation on DIN 35mm rail

5. PRODUCT HISTORY

Table 3. Product history		
Product version	Released	Description
PR4xxDR-SET v2.0	01/2017	First commercial version of the product

	<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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