

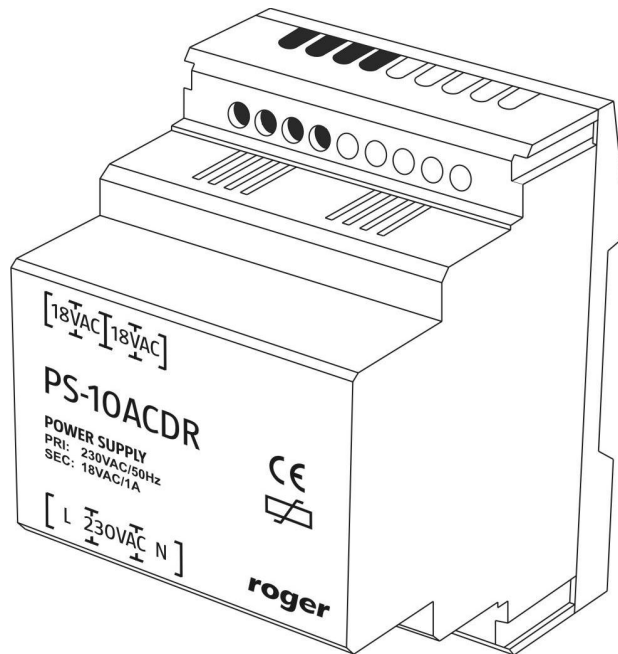
*Roger Access Control System*

## PS-10ACDR power transformer

### Operating Manual

*Hardware version: 1.0*

*Document version: Rev. C*



# 1. DESCRIPTION AND SPECIFICATION

PS-10ACDR power transformer is dedicated to supply devices, which require 18VAC and up to 1A current. Basically it has been designed for operations with PR411DR and PR402DR access controllers, but it can be used in various installations if its rated input parameters are maintained. The evaluation of PS-10ACDR regarding its use in particular system or installation must be conducted by designer or installer, who must verify if the power transformer conforms to certain environmental conditions and guarantees proper operation of supplied devices.

<b>Table 1. Specification</b>	
Rated supply voltage	230VAC
Rated frequency of supply voltage	50Hz
Output voltage	18VAC (at rated supply voltage and load)
Rated output current	1A (with ambient temperature not exceeding 40°C)
Environmental class (according to EN 50131-1)	Class I, +5..+40°C, humidity 10-95% (without condensation)
Dimensions (WxHxD)	62x85x70mm; 3,5 U
Weight	520g
Certificates	CE

PS-10ACDR includes 230VAC transformer with built-in protection against overload (multiple use type) inside plastic enclosure dedicated to installation onto DIN 35mm rail.



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Caution: Maximum caution must be exercised in case of devices connected to 230 VAC power supply. All installation works must be performed by qualified and certified installer.

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In standard conditions, the power transformer can continuously supply 1A but for a few seconds it can also supply up to 1.5A. Such feature is very useful in installations, where increased short term power demand is required occasionally, e.g. door strikes.

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Note: Thermal protection can be activated if overload or over temperature occurs. In such situation it is necessary to disconnect the power transformer from 230VAC for approx. 3 minutes. It is also necessary to determine the reason of such activation and eliminate it, if possible.

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# 2. INSTALLATION

PS-10ACDR power transformer is available in plastic enclosure dedicated to installation onto standard 35mm DIN rail. The power transformer must be mounted in such place and position as to prevent covering of its ventilation openings and to protect the unit against moisture and fluids. It is also necessary to provide ventilation space and ambient temperature cannot exceed 40°C. In case of over temperature, thermal protection may be activated for output current below 1A, but it puts device out of service only temporarily. All electrical connections must be executed with power supply switched off. The power transformer offers two pairs of terminals with 18VAC output voltage. Both pairs of terminals are internally connected in parallel with each other.

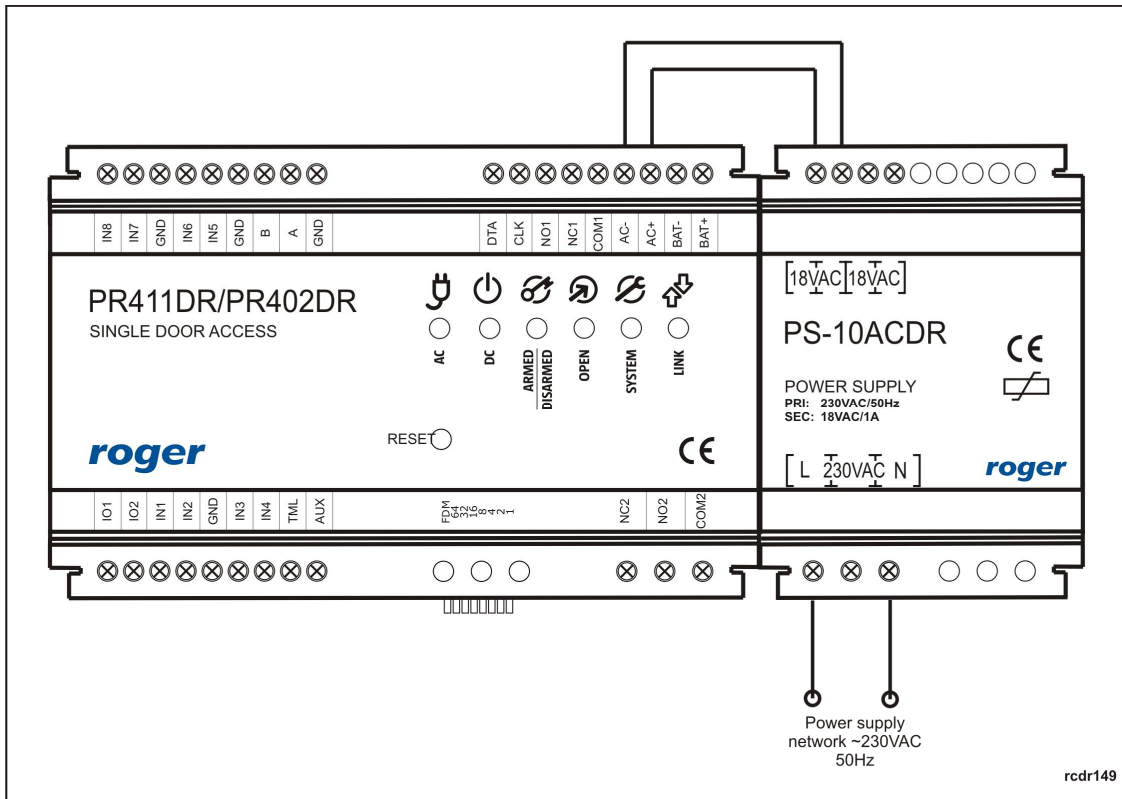


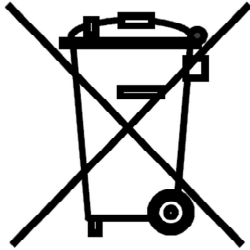
Fig. 1 Connection of PS-10ACDR power transformer with PR402DR or PR411DR access controller

### 3. ORDERING INFORMATION

Table 2. Ordering information	
Product	Description
PS-10ACDR	Power transformer installed on standard DIN 35mm rail and with 18VAC output
ME-4	Metal enclosure with DIN 35mm rail and sight glass. The enclosure can accommodate 12V/7AH battery, PS-10ACDR power transformer and PR402DR or PR411DR access controller.
PR402DR	Prxx2 series access controller dedicated to installation on DIN 35mm rail
PR411DR	PRxx1 series access controller dedicated to installation on DIN 35mm rail

### 4. PRODUCT HISTORY

Table 3. Product history		
Product version	Released	Description
PS-10ACDR v1.0	06/2011	The first commercial version of the product.



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.

**Contact:**

**ROGER sp. z o.o. sp. k.**

**82-400 Sztum**

**Gościszewo 59**

**Tel.: +48 55 272 0132**

**Fax: +48 55 272 0133**

**Tech. support: +48 55 267 0126**

**E-mail: [biuro@roger.pl](mailto:biuro@roger.pl)**

**Web: [www.roger.pl](http://www.roger.pl)**