



FEATURES

- UNIQUE (EM4100/4102) tags
- up to 12cm reading range
- TAMPER output
- general outdoor environment
- CE mark

ONLINE Mode

- Wiegand 26/34/42/66 bit interface
- Magstripe (ABA Track II emulation) interface
- RACS (Roger) interface
- LED/Buzzer control input

OFFLINE Mode

- 120 cards and PINs
- user indexing
- Card, PIN or Card+PIN identification
- Door Contact and Exit Button inputs
- Alarm and Door Bell outputs
- integration with Intruder Alarm System through I/Os
- Entry/Exit control (requires second PRT series reader)
- utilizes built-in or remote (on XM-2 expander) I/Os
- manual programming



GENERAL DESCRIPTION

The PRT12 reader has been designed for operation in access control systems to allow user identification by means of UNIQUE standard proximity cards and/or PIN codes. The reader can be configured for operation in standalone installation (OFFLINE mode) or for use with an external access control unit (ACU) that supports a compatible data interface formats (ONLINE mode). When reader operates in ONLINE mode, the device functions as a slave unit serving a sole purpose of reading a card and/or entering a PIN code and subsequent transmission of such collected data to a master unit (access controller) for further processing.

The PRT12 terminal offers several data transmission formats which include the popular Wiegand and Magstripe data protocols. When configured for standalone operation (OFFLINE mode), the device will autonomously control the door access point. For this mode, the terminal offers two installation options - one of them uses the reader's built-in I/O signal lines as standard general purpose inputs and outputs, the other uses them for communication with an external XM-2 I/O module and a second (optional) PRT series reader. An access control installation containing two PRT readers allows two-way passage control, while adding an XM-2 module improves overall level of security for door control system by separating its logical element (reader) from the actuator element (relay) controlling the door lock. The PRT12 can be installed in outdoor locations. It offers IP65 protection degree.

Note: The product descriptions in this document refer to device's firmware version 71.0 or higher.

TECHNICAL SPECIFICATION	
Operating voltage range	10...16 VDC
Current consumption	avg. 60mA
Tamper	an open collector transistor output, 20mA max. sink current
Reading range	up to 12 cm for ISO type cards (depends on card quality)
Cards	UNIQUE type, EM4100/4102 compatible
Communication standard (ONLINE mode)	Wiegand 26/34/42/66bit, Magstripe or RACS (Roger)
Cable distance between controller and terminal	150 m (500 ft)
Communication lines	Clock and Data or Data 0 and Data 1 depending on selected interface, 50mA max. sink current
Environmental class	Class IV - Outdoor General, temp. -25°C...+60°C
Ingress protection	IP65
Dimensions	46 X 150.5 X 23 mm
Weight	~ 150g
ORDERING INFORMATION	
PRT12	RFID/PIN reader, black casing
PRT12-BK	RFID reader, black casing
PRT12 Grey	RFID/PIN reader, light grey casing
PRT12-BK Grey	RFID reader, light grey casing

All content, specifications and availability subject to change without prior notice.