

GENERAL FEATURES

- UNIQUE EM 125 kHz tags
- up to 12cm reading range
- online/offline operating modes
- NC tamper contacts
- general outdoor environment (-25°/+60°)
- CE mark

ONLINE Mode Features:

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

OFFLINE Mode Features:

- 120 cards
- user indexing
- 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 **PRT62** reader has been designed for operation in access control systems to allow user identification by means of UNIQUE EM 125kHz standard proximity cards. The reader can be configured for operation in stand-alone 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 and subsequent transmission of such collected data to a master unit (access controller) for further processing.

The PRT62 terminal offers several data transmission formats which include the popular Wiegand and Magstripe (Clock & Data) data protocols. When configured for stand-alone 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 PRT62 can be installed in outdoor locations.

Note: The product descriptions in this document refer to device's firmware version 72.0 or higher.

TECHNICAL SPECIFICATION	
Supply voltage	10...16 VDC
Current consumption	avg. 40mA
Tamper	NC contact 50mA/24V
Reading range	up to 12 cm for ISO type cards (depends on card quality)
Cards	UNIQUE type, EM4100/4102 compatible
Communication standard (ONLINE mode)	Wiegand26/34/42/66bit, Magstripe or RACS (Roger)
Cable distance between reader and controller	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	100 X 40 X 25 mm
Weight	~ 110g
ORDERING INFORMATION	
PRT62	RFID reader, black casing
PRT62 Grey	RFID reader, light grey casing
XM-2	I/O expander, 2 inputs and 2 relay outputs
RM-2	Relay module, 2 relays on board

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



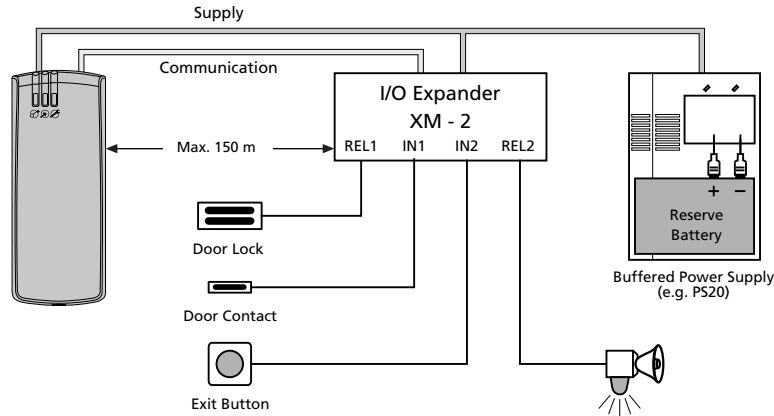
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THE SECURITY & ACCESS CONTROL COMPANY

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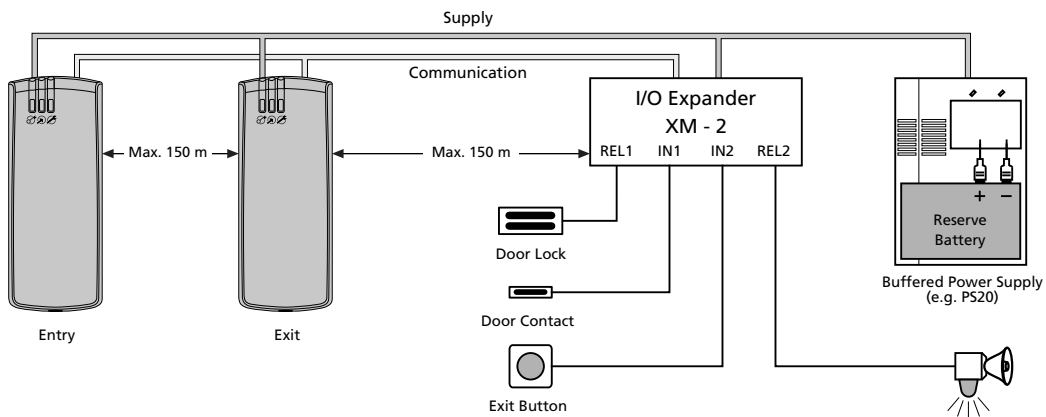
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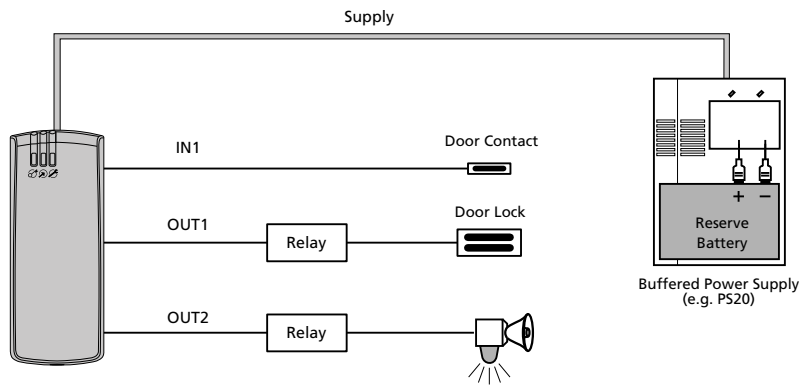
PRT62 in Full Stand-alone Mode (single side door control)



PRT62 in Full Stand-alone Mode (both sides door control)



PRT62 in Simple Stand-alone Mode



PRT62 in ONLINE Mode (both sides door control)

