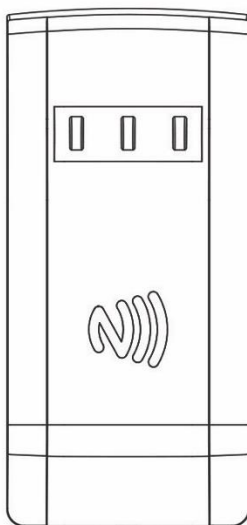




PRX-EXT External Prox Reader
Installation Manual



**Designed and Manufactured
in the United Kingdom**

www.orisec.co.uk

1. Introduction

This manual describes how to install the **PRX-EXT** External Prox Reader.

Features

- ▶ NFC Prox tag support
- ▶ Status LED indication
- ▶ Integrated On-board piezo
- ▶ IP65

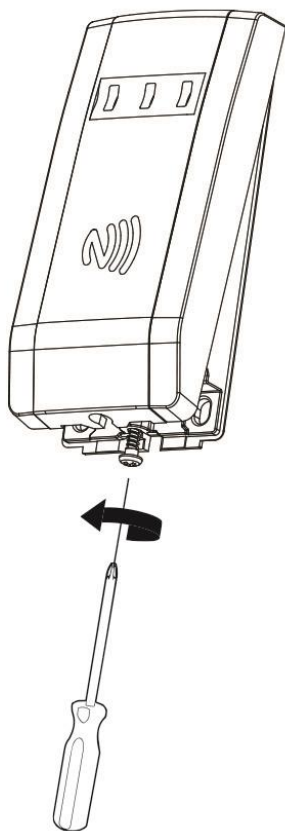
Compatibility

The **PRX-EXT** must be connected to one of the following Orisec products:

- ▶ RK-500, RK-550, RK-700: Version 4.01 or higher
- ▶ INT-PRX: Version 2.01 or higher

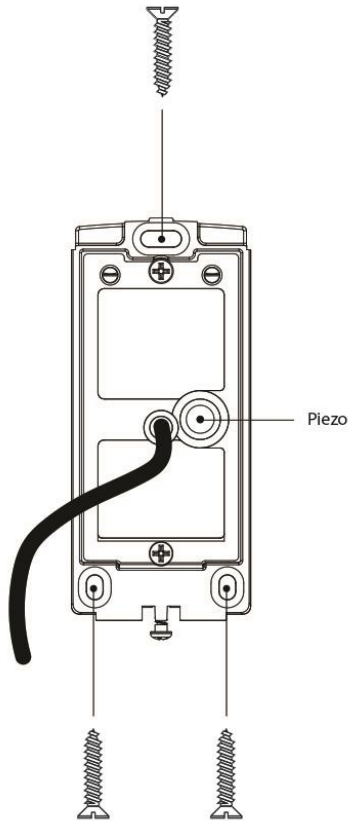
2. How to open the PRX-EXT

Partially loosen the screw on the underside of the **PRX-EXT** and prise open.



3. Installation

There are two screw holes at the bottom and one at the top.



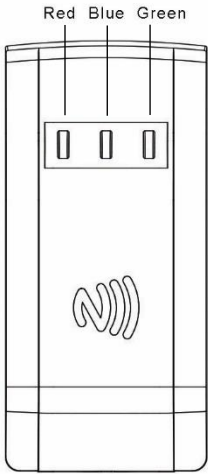
4. Wiring

The **PRX-EXT** is supplied with an integrated cable. This should be connected to a compatible Orisec product using the terminals below.

PRX-EXT	PRX-INT / RK-500 / RK-700 / MK-700	W-ROX-1	W-UZR-1
Red	12V	+V *	12V
Black	0V	0V	0V
Blue	Z1 / OP1	LED	LED
Green	Z2 / OP2	D0	D0
White	Z3 / OP3	D1	D1
Yellow	Not used	Not used	Not used

*9-15V Supply only.

5. LED indications



- Blue: Power indication. Flashes for 3 seconds when tag is presented.
- Green: System unset indication (visible for 60 seconds after a valid tag presentation)
- Solid Red: Alarm or Tamper Indication

6. Specifications

Electrical

Input Voltage:	9 – 15Vdc
Current Consumption	
Quiescent (blue LED on):	15mA
All LEDs on:	23mA
Proximity Reader:	NFC NTAG203
Protocol:	58 bit Weigand

Environmental

Operating Temperature:	-10°C to +55°C
Storage Temperature:	-20°C to +60°C
Max. Humidity:	95% non-condensing
EMC:	Residential, Commercial, Light Industrial & Industrial

Physical

Dimensions (HxDxW):	100mm x 15mm x 46mm
Housing:	2mm (Nominal) Acrylonitrile Styrene Acrylate (ASA)
Packed Weight:	150g



7. Standards

Security

PD 6662:2017

EN 50131-1:2006+A2:2017

EN 50131-3:2009

Grade 3, Class IV

EMC

Conforms to European Union (EU) Electro-Magnetic Compatibility (EMC) Directive 2014/30/EU and EN 50130-4:2011+A1:2014

EMC Environment: Residential / Commercial / Light Industrial / Industrial



CE: You can view the product EC Declaration of Conformity here:
www.orisec.co.uk/compliance



WEEE Directive: 2012/19/EU Compliant: This symbol indicates that according to local laws and regulations, this product should not be disposed of as municipal/household waste. Instead, it should be disposed of at the appropriate collection points designated for the recycling of electrical and electronic equipment, or returned to Orisec upon purchase of new replacement products. This will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

RoHS

RoHS Directive: 2011/65/EU Compliant:

Orisec declares that this product complies with and conforms to RoHS legislation that it does not contain more than the agreed levels of: Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent chromium (Cr6+), Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE)

Manufacturer: Orisec Ltd, 1 St Crispin Way, Haslingden, Lancashire. BB4 4PW. United Kingdom.

Warranty

The PRX-EXT External Prox Reader is guaranteed against defects in material or faulty workmanship for a period of 2 years from the date of purchase.

Disclaimer: Orisec will not accept any liability based on a claim that the PRX-EXT External Prox Reader failed to perform correctly as it is a component part of an installation and not a complete intruder alarm system.

UK Based Technical Support

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