

# ATEX EXPLOSION PROOF PROXIMITY CARD READER

The model ExRead 01 is an explosion proof proximity card reader suitable for applications on tank terminal areas or any other area which has ATEX / IECEx classified zones.

## FEATURES AND BENIFITS

- Small design, allows easy integration
- ATEX approval II 2 G / Ex db IIC T6 Gb and ATEX II 2 D / Ex tb IIIC T85°C IP66
- Includes one (1) explosion proof gland for entering reader cable .
- Clear LED indication indicating acceptance of card. (Red, yellow, green)
- Pre-assembled with screw terminals for easy field connection.



## GENERAL SPECIFICATIONS

Construction : Marine grade copper free grey coloured aluminium housing with a chemical resistant viewing window.

Mounting : Wall mounting with two brackets. Use screws of at least size M6.

Glands : One (1) explosion proof gland 3/4" NPT.

Protection : ATEX II 2 G / Ex db IIC T6 Gb and ATEX II 2 D / Ex tb IIIC T85°C IP66.

Connection : by screw terminal max 0,5mm<sup>2</sup>.

Dimensions (ØxD) : 160x144mm - Shipping weight/net : 3kg/2,14Kg including gland.

The ExRead 01 [can be provided with several types of reader](#) in order to make easy integration into any type of access control system. E.g.: The model ExRead [01-714](#) has been provided with an 13,56MHz reader and requires connection to a door controller unit which will provide also the required power supply for the ExRead 01 (714) reader. No external power supply to the reader is allowed.

## For example, with Mifare® card reader

Model : ACEPROX 714-52 Mifare® ID Reader

Power : 5-13,6VDC at 35/100mA (Average/Peak).

Linear power supply recommended.

Format : Selectable. Output formats supported: Wiegand (66 bit, 44 bit, 34 bit odd/even parity, 34 bit odd/odd

parity, 26 bit), Mag stripe emulation, Clock/Data, RS232 (9600,n,8,1) with both EIA compatible levels and TTL levels.

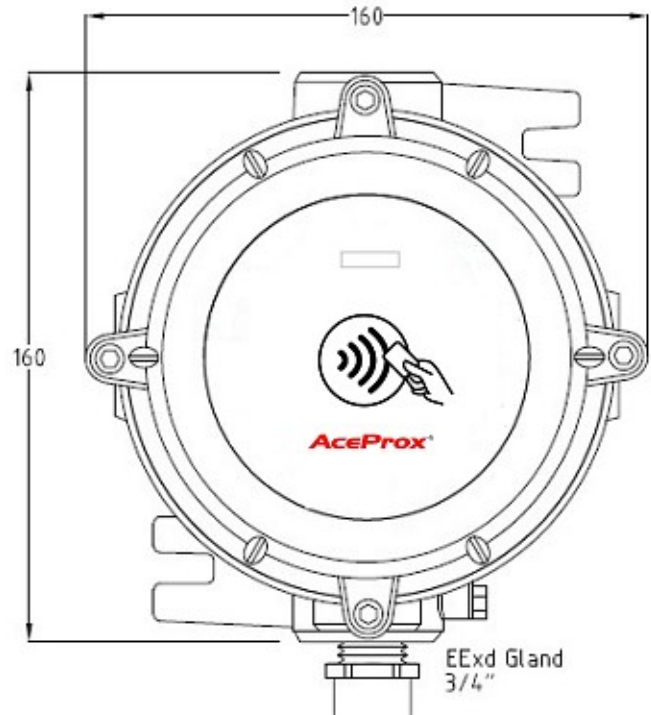
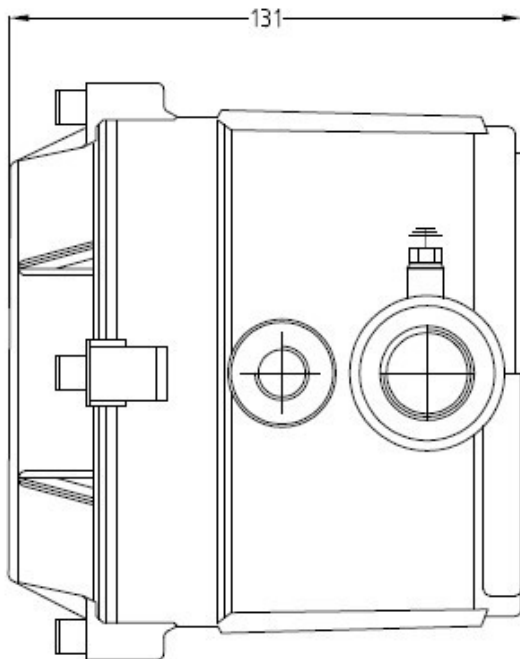
Reading distance : 2,5 cm (passive key card and power at 12VDC.)

Temperature range : -20°C to +60°C and 95% humidity non condensing.

Indicator : Acceptance LED Red, yellow, green. Beeper included.

## Installation

- 1) Find a place to install the ExRead 01.
- 2) Drill two holes (at least M6) and fix the reader.
- 3) Unscrew the cover and insert the connection cable through the gland and make connection to the screw terminals as per drawing which correspond with the type of reader installed into the unit.
- 4) Follow the directions of the card reader manual (e.g.: 714) regarding the type of cable to be used as well the maximum length allowed.



## Packaging contents

The EXREAD 01 kit consists :

- 1) EXREAD 01 housing pre-assembled with:
  - A proximity card reader.
  - Screw terminal block.
  - An ATEX approved brass gland 3/4" with rubber 8-10mm.
- 2) User manual which includes the ATEX / IECEx certification.