ACTpro e

Proximity and Keypad Readers

ACT Access Control Technology

Product Overview

The ACTpro RFID readers are multiformat readers that support all ACT 125KHz RFID cards and fobs including HID-compatible tokens.
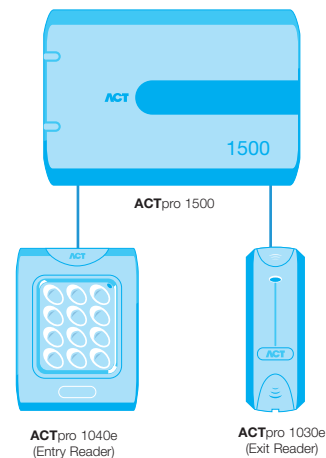
The ACTpro readers are available as:

- Proximity only (ACTpro 1030e/1030PM/1040e),
- Pin & Proximity (ACTpro 1050e), for additional security
- Pin only (ACTpro 1060e), where proximity cards are not required.

ACTpro 1040e

ACTpro 1050e / 1060e

ACTpro-X 1030PM with flush plate
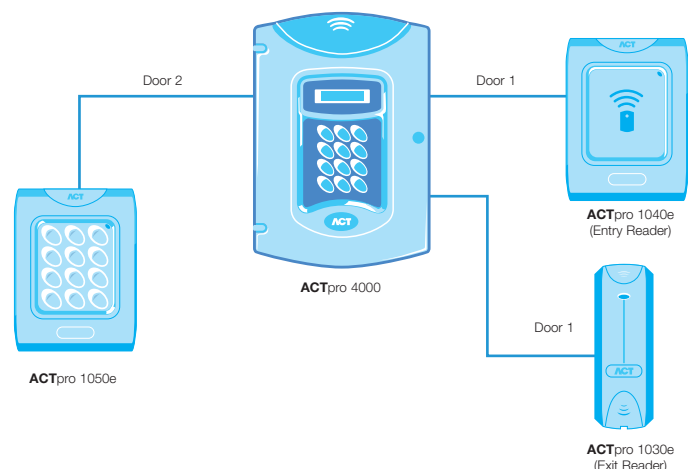
ACTpro 1030e

Main Features

- Multi-format reader
- Choice of proximity only, pin and proximity or pin only
- ACTProx Cards and Fobs supported (125KHz RFID)
- HID-compatible tokens supported (125Khz RFID)
- Indoor or outdoor installation (IP67)
- Built-in buzzer
- Tri-Colour LED
- Operates between -20C and +50C
- +5V DC to +12V DC operation
- Auto detect Clock and Data or 26-bit Wiegand Output
- Robust polycarbonate housing
- Vandal Resistant Cover (ACTpro 1030e VR) available for the ACTpro 1030e proximity reader

ACTpro 1500

ACTpro 1040e (Entry Reader)

ACTpro 1030e (Exit Reader)

ACTpro e Readers with ACTpro 1500 Schematic

Installation / Specification Guidelines

- The ACTpro readers may be installed in exposed outdoor conditions (IP67)
- The maximum distance between the ACTpro reader and the ACTpro controller or door station is 100m with 12V DC (upto 30m with 5 V DC)
- Use 8 core screened cable to connect the ACTpro reader to the ACTpro controller / door station
- The ACTpro readers can be paralleled for entry and exit readers to a maximum current of 500mA if powered from the ACTpro 1500 or ACTpro 100e door stations.

Door 2

Door 1

ACTpro 4000

ACTpro 1040e (Entry Reader)

Door 1

ACTpro 1050e

ACTpro 1030e (Exit Reader)

ACTpro e Readers with ACTpro 4000 Schematic

ACTpro

Product Specification

ACTpro 1030e

Operating Voltage:	5 - 12 Volts DC
Current Consumption:	40 mA
Weight (grams):	189
Operating Temperature:	-20 to +50 C
Dimensions (HxWxD):	120 x 37 x 15 mm
Mounting:	Surface or Flush
Installation:	Indoor/Outdoor (IP67)
Cabling:	2m Pigtail lead

1040e   **1050e/1060e**   **1030PM**
with flush plate   **1030e**

Product Specification

ACTpro 1040e/1050e/1060e

Operating Voltage:	5 - 12 Volts DC
Current Consumption:	40 mA
Weight (grams):	**130** (1040), **225** (1050/1060)
Operating Temperature:	-20 to +50 C
Dimensions (HxWxD):	94 x 130 x 25 mm
Mounting:	Surface or Flush
Installation:	Indoor/Outdoor (IP67)
Cabling:	Connector Blocks

ACTpro-X 1030PM

Operating Voltage:	5 - 12 Volts DC
Current Consumption:	40 mA
Weight (grams):	61
Operating Temperature:	-20 to +50 C
Dimensions (HxWxD):	63 x 58 x 23 mm
Mounting:	Panel
Installation:	Indoor/Outdoor (IP67)
Cabling:	Connector Blocks

Cabling Chart

From	To	Cable	Restriction
ACTpro Reader	ACTpro Controller or ACTpro door stations	8 core screened	Max distance 100m at 12V DC 30m at 5V DC

Ordering Information

Slimline Proximity Reader	ACTpro 1030e
Proximity Reader	ACTpro 1040e
Pin & Proximity Reader	ACTpro 1050e
PIN only Reader	ACTpro 1060e
Panel Mount Proximity Reader	ACTpro-X 1030 PM
Proximity Key Fob	ACTProx Fob-B*
Proximity ISO Card	ACTProx ISO-B*
Vandal Resistant Cover	ACTpro 1030 VR

* These cards and fobs are compatible with the ACTpro and ACTsmart2 proximity reader range

Comparison chart

Feature	ACTpro 1030e	ACTpro 1040e	ACTpro 1050e	ACTpro 1060e	ACTpro-X 1030PM
Mullion Style	Yes				
Proximity	Yes	Yes	Yes		Yes
Keypad			Yes	Yes	
5 - 12V DC Operation	Yes	Yes	Yes	Yes	Yes
Connector Block		Yes	Yes	Yes	Yes
2m Pigtail Lead	Yes				
Vandal Resistant Cover	Yes				
IP rating	IP67	IP67	IP67	IP67	IP67
Potted Electronics	Yes	Yes	Yes	Yes	Yes
Panel Mount					Yes

Product Specification

ACTProx Fob
Extremely robust with a max read range of 8 cm

ACTProx ISO Card
Suitable for ID printing with max read range of 10 cm

ACTProx HS Card
Half Shell Card with max read range of 10 cm

ACTProx DUO Card
Prox and Mag stripe with max read range of 10 cm. Suitable for ID printing