

ACTsmart2

Proximity & Keypad Range

Product Overview

Powerful, flexible and cost effective solution for low to medium access control scenarios. Simple to add and delete users and the readers may be totally standalone or connected together in a master slave mode to enable changes for all doors (max 8) to be made at one door. Extremely attractive design built in rugged polycarbonate with stainless steel keys.

Main Features

- Choice of proximity only, pin and proximity or pin only
- Digital keypad backlighting (ACTsmart2 1080/1090)
- Access control, interlock, door monitoring and fire alarm interface
- Surface or flush mount (mounting directly on to standard electrical back box)
- Indoor or outdoor installation (IP67)
- Standalone or Master Slave operation
- Single card or batch card addition or deletion
- Smart Lock option for high security doors. The Smart Lock is installed internally in the building thus preventing an intruder from having access to the lock relay.
- Tamper device
- Works with ACTProx cards and fobs

Installation / Specification Guidelines

- May be installed in exposed outdoor conditions (IP67)
- If the electronic outputs and inputs are to be used, or the master slave feature is required, ensure a dc supply to the unit
- As there are up to 1000 users available on the ACTsmart products the system administrator should keep good records to enable efficient addition and deletion
- In the event of master slave operation ensure there is at least one ACTsmart2 1080 when proximity is being used

ACTsmart2 Accessories



Flush mount plate

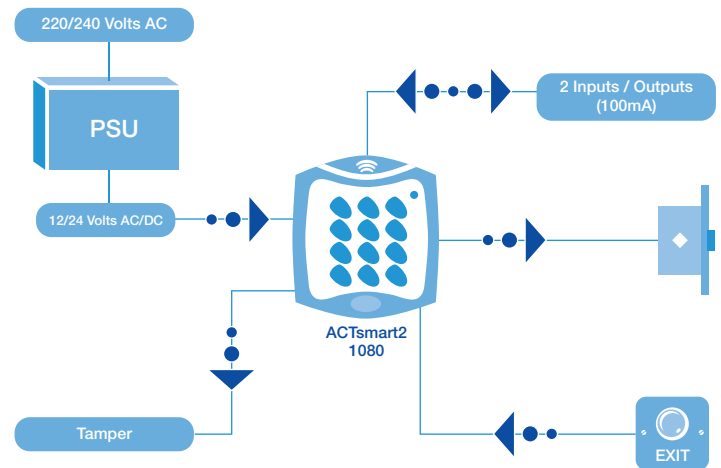
Surface mount collar

ACTsmart2 Lock module

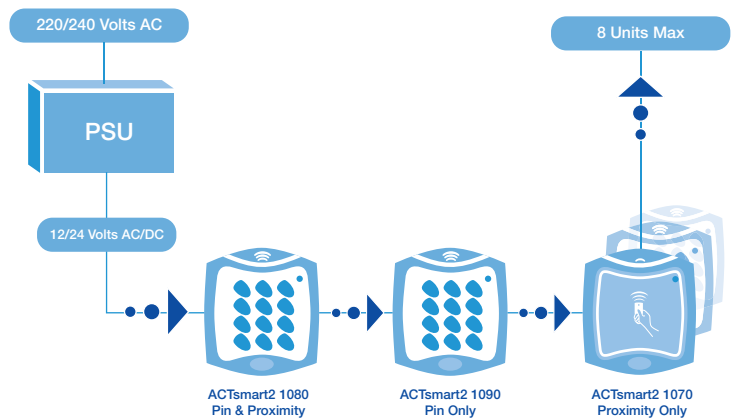


ACTsmart2 1080/1090

ACTsmart2 1070



ACTsmart2 1080 Pin and Proximity
For full functionality use 12 volts DC only



ACTsmart2 Master Slave operation
For full functionality use 12 volts DC only

ACTsmart2

ACTsmart2 1070/80/90

Product Specification

Operating Voltage:	12 to 24 Volts AC/DC
Current Consumption:	80 mA max
Weight:	200 grams
Operating Temperature:	-10 to +50 C
Dimensions (HxWxD):	110 x 100 x 35 mm
Mounting:	Surface or Flush
Installation:	Indoor or Outdoor
Cabling:	Connector blocks

Proximity & Keypad Range

ACT

Access Control Technology



ACTsmart2
1080/1090



ACTsmart2
1070

Cabling Chart

From	To	Cable	Restriction
PSU, lock release and release button	Reader	Standard alarm cable	200m

When using the master slave feature a twisted screened pair is required between each reader. This must be daisy chained not star wired.

Ordering Information

Proximity reader	ACTsmart2 1070
Pin and proximity reader	ACTsmart2 1080
Pin only reader	ACTsmart2 1090
Smart Lock	ACTsmart2 Lock
Proximity key fob	ACTProx FOB-B*
Proximity ISO card	ACTProx ISO-B*
Proximity Half Shell Card	ACTProx HS-B*
Proximity & Mag Stripe Card	ACTProx DUO-B*

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

ACTsmart2 Lock - Specification

Operating Voltage:	12 or 24 Volts AC/DC
Current Consumption:	50 mA
Operating Temperature:	-10 to +50 C
Dimensions (HxWxD):	45 x 60 x 30 mm
Installation:	Inside PSU on secure side of door

ACTsmart2 feature chart

Feature	ACTsmart2 1070	ACTsmart2 1080	ACTsmart2 1090
Doors	1	1	1
Users	1000	1000	2000
Master slave operation	Yes	Yes	Yes
Proximity	Yes	Yes	
Pin only		Yes	Yes
Pin and card		Yes	
Card only	Yes		
Digital keypad backlighting		Yes	Yes
Interlock	Yes	Yes	Yes
Door monitoring	Yes	Yes	Yes
Fire alarm override	Yes	Yes	Yes
Toggle mode	Yes	Yes	Yes
Door relay output	5 amp	5 amp	5 amp
Programmable inputs	Yes	Yes	Yes
Programmable outputs	Yes	Yes	Yes
Programmable inputs/outputs	Yes	Yes	Yes
Push to release input	Yes	Yes	Yes
Front and back tamper device	Yes	Yes	Yes
12 to 24 volt DC/AC input *	Yes	Yes	Yes
IP rating	IP67	IP67	IP67
Potted electronics	Yes	Yes	Yes
Smart lock capability	Yes	Yes	Yes

* When selecting master/slave operation or using the electronic inputs and outputs please use a dc supply



ACTProx Fob

Extremely robust with a max read range of 8 centimetres



ACTProx ISO Card

Suitable for ID printing with max read range of 10 centimetres



ACTProx HS Card

Half shell card with a max read range of 10 centimetres



ACTProx DUO Card

Prox & mag stripe with max read range of 10 centimetres. Suitable for ID printing.