

ACTsmart 2

Product Overview

Powerful, flexible and cost effective solution for low to medium access control scenarios (max of 8 networked doors). With the ACTsmart2 readers / controllers it is simple to add and delete users. The readers / controllers may be totally standalone, connected together in a master slave mode or connected to a PC. The readers / controllers have an attractive design and surface / flush and panel mount options.

Main Features

- 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 with ACTsmart2 1070/1080/1090 (mounting directly on to standard electrical back box)
- Panel mount with the ACTsmart2 1070PM (with ACT PM Flush Plate - purchase separately)
- Indoor or outdoor installation (IP67)
- Standalone / Master Slave / Networked 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 monitoring
- Works with ACTProx cards and fobs

Installation / Specification Guidelines

- May be installed in exposed outdoor locations (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

Proximity & Keypad Range

ACT

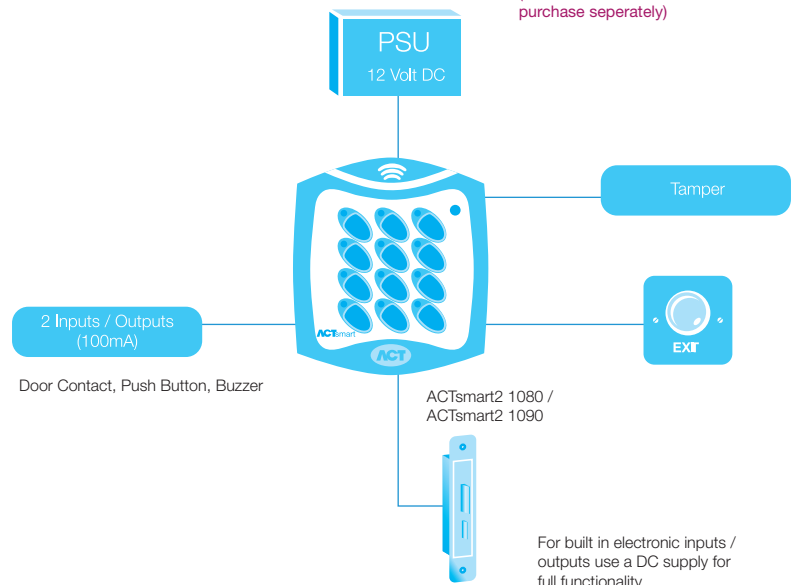
Access Control Technology



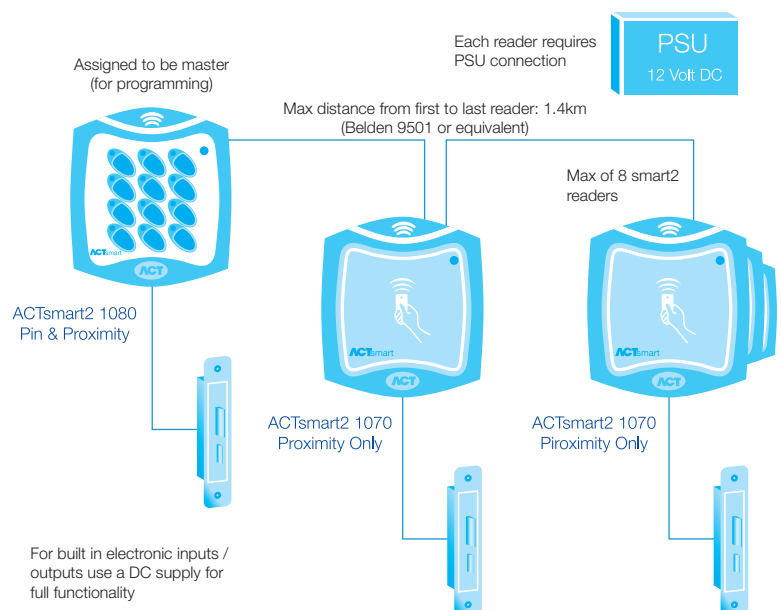
ACTsmart2 1070

ACTsmart2 1080 / 1090

ACTsmart2 1070PM
(with ACT PM Flush Plate - purchase separately)



ACTsmart2 Standalone Reader / Controller



ACTsmart2 1080 Master Slave Configuration

ACTsmart

ACTsmart 2

Product Specification

	1070/1080/1090	1070PM
Operating Voltage	12 - 24 Volts AC/DC	
Current Consumption	60 - 100 mA max	
Weight	173 grams	72 grams
Operating Temperature	-10 to +50 C	
Dimensions (HxWxD, mm)	100x110x35	63x58x23
Mounting	surface/flush	panel
Installation	indoor/outdoor (IP67)	

Door Entry & Access Control

ACT

Access Control Technology



ACTsmart2 1070



ACTsmart2
1080 / 1090



ACTsmart2 1070PM
(with ACT PM Flush Plate -
purchase separately)

Ordering Information

Proximity reader	ACTsmart2 1070
Proximity reader (panel mount)	ACTsmart2 1070PM
Pin & Prox reader	ACTsmart2 1080
Pin only reader	ACTsmart2 1090
Smart Lock	ACTsmart2 Lock
Flush Plate (for ACTsmart2 1070PM)	ACT PM Flush Plate
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 & 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 (H x W x D, mm)	45 x 60 x 30
Installation	inside PSU on secure side of the door



ACTProx Fob

Extremely robust with a max range of 8cm



ACTProx ISO Card

Suitable for ID printing with max read range of 8cm



ACTProx HS Card

Robust half shell card with max read range of 8cm



ACTProx Duo Card

Prox & mag stripe with max read range of 8cm. Suitable for ID printing.

ACTsmart2 Feature Chart

	1070	1070PM	1080	1090
Doors	1	1	1	1
Users	1000	1000	1000	1000
User Groups*	1	1	1	1
Pin Only			✓	✓
Pin & Card			✓	
Pin or Card			✓	
Card Only	✓	✓	✓	
Keypad Backlighting			✓	✓
Interlock	✓	✓	✓	✓
Door Monitoring**	✓	✓	✓	✓
Fire Alarm Override	✓	✓	✓	✓
Toggle Mode	✓	✓	✓	✓
Door Relay Output	5 amp	5 amp	5 amp	5 amp
Programmable Inputs	1	1	1	1
Programmable Inputs/Outputs	2	2	2	2
Push to release input**	✓	✓	✓	✓
Tamper Output	✓	✓	✓	✓
12 - 24 Volt DC or AC**	✓	✓	✓	✓
IP Rating	IP67	IP67	IP67	IP67
Door Forced / Door Ajar	✓	✓	✓	✓
Smartlock	✓	✓	✓	✓
Standalone Operation	✓	✓	✓	✓
Master Slave Operation	✓	✓	✓	✓
PC Application	✓	✓	✓	✓
Change Relay Timer	✓	✓	✓	✓
Duress Code			✓	✓

* ACTsmart2 software can have up to 16 User groups, with each User group having 4 different Time zones (max of 16)

** For full functionality use 12 Volt DC

ACT recommend that the ACTsmart2 1070 / 1070PM are not be used as a standalone reader for large systems in case the cards need to be reentered.

Cabling Chart

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