

ACTsmart 2

Product Overview

ACTsmart2 System allows easy configuration and maintenance of the ACTsmart2 devices. It consists of a Windows PC application (ACTWin Smart), the ACTsmart2 controller unit and a serial cable to connect the controller to the PC. The ACTsmart2 devices are available as Proximity, PIN and Proximity and PIN only. For cards and fobs for the ACTsmart2 System, please use ACTProx cards and fobs (see our Ordering Section for further details).

Main Features

- Simple graphical interface
- Digital keypad backlighting (ACTsmart2 1080/1090)
- 1 to 8 doors
- 1000 users
- 16 user groups
- 100,000 event log on PC
- 1,000 event log buffer on controller
- Flash upgrade facility
- Built in translation facility
- Rapid on the fly downloading
- Choice of reader types Proximity, Pin and Proximity and Pin only

Installation / Specification Guidelines

- The ACTsmart2 system is designed to suit access control systems for small to medium sized enterprises or facilities
- The lock and door controls are contained in the reader and no other controller other than the ACTsmart2 controller is required
- The ACTsmart2 system is strictly an access control system. Please review the comparison chart on the reverse side of this leaflet to ensure it is suitable for customer's requirements
- The maximum cabling distance between the PC and the Smart2 controller is 30 metres
- The maximum network cabling for the readers is 1.4km of twisted screen pair or category 5
- The controller, readers etc require a 12volt dc supply

Network System

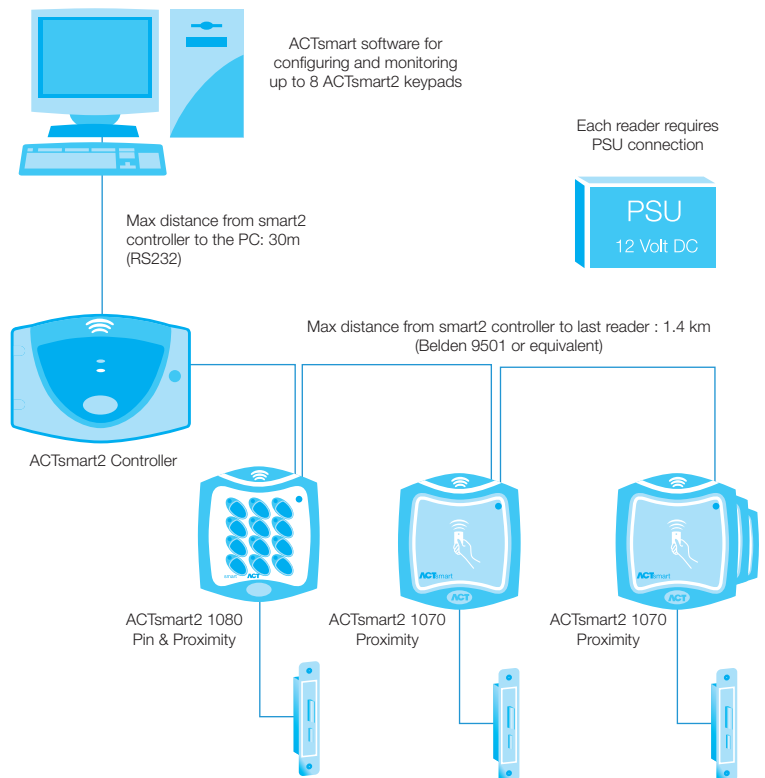
ACT

Access Control Technology



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

ACTsmart2 System



For built in electronic inputs / outputs use a DC supply for full functionality

ACTsmart 2

ACTsmart2 Controller

Product Specification

Operating Voltage	12 Volts DC
Current Consumption	200 mA max
Weight	340 grams
Operating Temperature	-10 to +50 C
Dimensions (HxWxD, mm)	100 x 190 x 57
Mounting	surface
Installation	indoor

Network System



ACTsmart2 Controller

Ordering Information

Controller	ACTsmart2 Controller
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

PC Specification for ACTWin smart

Operating System:	Windows 2000, XP, 2003, Vista
CPU:	Pentium II (300Mhz or better)
RAM	512 Mb or better
CD ROM drive	Yes
Serial Port	Yes

Cabling Chart

From	To	Cable	Restriction
PC	Controller	Twisted screen pair	30m
Controller	Readers	Twisted screen pair	1.4 km daisy chain

ACTsmart2 Readers - 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	-25 to +60 C	
Dimensions (HxWxD, mm)	100 x110 x 35	63 x 58 x 23
Mounting	surface / flush	panel
Installation	indoor / outdoor (IP67)	

ACTsmart2 Feature Chart

	ACTWin smart	ACTWin Lite	ACTWin pro
Doors	8	64	2000
Users	1000	30,000	30,000
User Groups*	16	1,000	1,000
Time Zones	16	256	256
Event Log	100,000	infinite	infinite
Anti passback support		✓	✓
Timed anti passback support		✓	✓
Access Control reports	✓	✓	✓
Reports: roll call		✓	✓
Reports: Time & Attendance		✓	✓
User Tracking		✓	✓
Door command facility	✓	✓	✓
Administrator audit trail			✓
Password protection	✓	✓	✓
SQL server			✓
TCP/IP support		✓	✓
Upload facility	✓	✓	✓
Real time download	✓	✓	✓
Photo ID for each user	✓	✓	✓
Client server			✓

* The above table is for comparative purposes only. If the features of ACTWin pro or ACTWin Lite are required, the ACTpro 1000 / 2000 / 3000 controllers and ACTpro-X readers will have to be specified.

ACTProx Fob

Extremely robust with a max range of 8cm



ACTProx Fob



ACTProx ISO Card

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



ACTProx HS Card

ACTProx Duo Card

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



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
- 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

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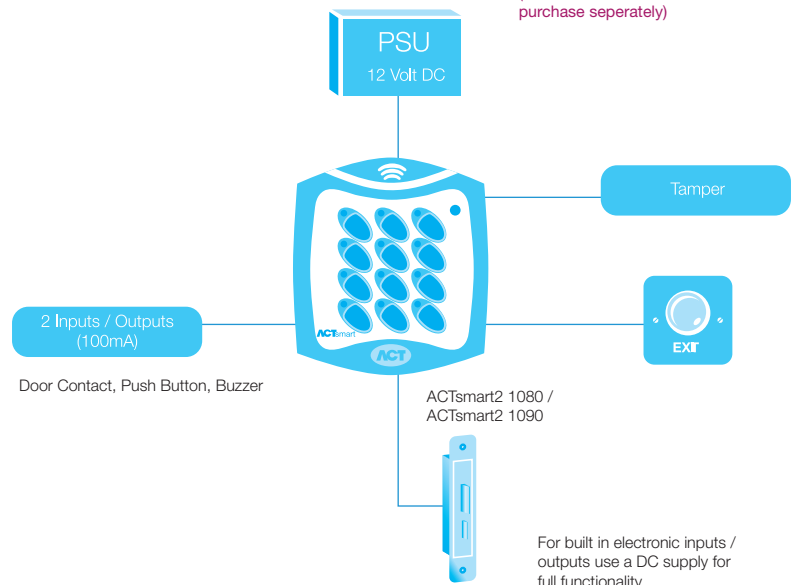
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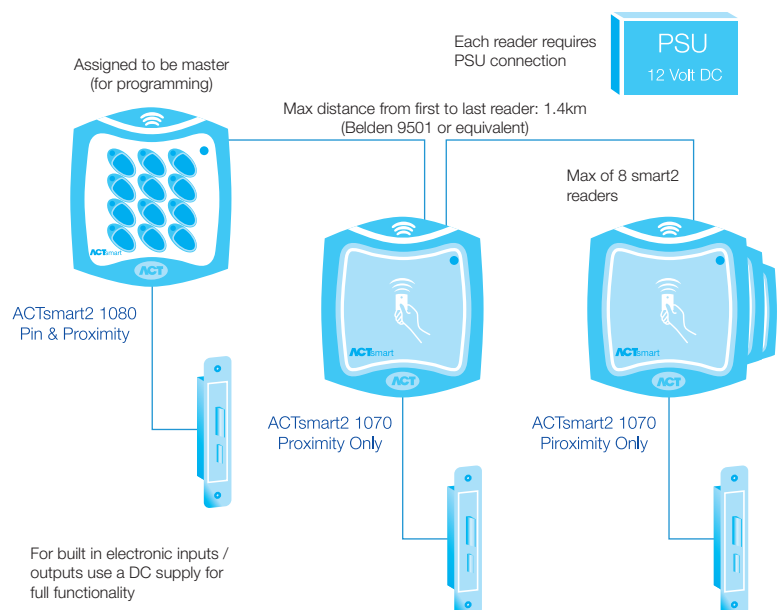
ACTsmart2 1070

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

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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
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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