

AXS SERIES S40 iCLASS SE® PIN-Contactless Reader: This integrated keypad and contactless reader is rated for continuous outdoor use in exposed, unsupervised locations. Featuring genuine HID® iCLASS SE®, Seos®, contactless technology, this access control keypad offers enhanced security by dual factor authentication. Authorized access through a secured door or barrier can be gained by entry of a valid PIN and/or presentation of an authorized 13.56 MHz ISO14443 contactless credential

Installation

- Using the case as a template, mark the position of the four holes (A) on the surface.
(or if fixing to an already installed UK or US back box use the relevant hole pattern)
- Drill and plug the fixing holes to suit fixing screws (supplied).
- Run the cable through the sealing grommet
- Secure the case to the surface using the fixing screws
- Make the electrical connections to the connector block
- Plug the connector block into the keypad
- Make sure the rubber seal is located on the rear case.
- Fix the keypad to the rear case using the security screws
(Use the nylon sealing washers under the screw heads)
- Check the installation to ensure the rubber seal is in place and compressed evenly around the perimeter of the case.



Weigand Format for PIN

Factory default is Weigand 4 bit burst format (for PIN).

If you need other Weigand formats follow the sequence below.

(to set site code on 26/32 bit refer to the S40 Engineering Manual)

Press #	on power up ,	LED FLASHES RED/GREEN
Press #725	to enter format mode	
Press 1	for FORMAT	
Press 1 or 2 or 3 or 4	for 4 BIT FORMAT for 8 BIT FORMAT for 26 BIT FORMAT for 32 BIT FORMAT	
Press 0	to EXIT,	LED STAYS RED

Wiring Connections

+5V	Power Input. Connect only 5V OR 12V power	A
BEEP	Active Low	B
DATA HOLD	Holds card data only – Active Low	C
TAMPER	Normally closed to 0V, open on tamper	D
0V	Power	E
0V	Power	F
RED LED	Active Low	G
GREEN LED	Active Low	H
+12V	Power input. Always use 12V for S40i	I
WEIGAND DATA 1	Open Collector output	J
WEIGAND DATA 0	Open Collector output	K
TAMPER	Normally open – connects to 0V on tamper	L

Specification

Card Compatibility	iClass®, Mifare®, ISO15693, ISO14443A & B
Card Read Range	2-11cm (depending on card)
Card Security	V1 Security (Elite to special order only)
Coupling Frequency	13.56 MHz
Supply	5V or 12V DC 200 mA (Use 12V, 250mA for Illuminated Keypad)
Tamper detection	Either normally open or normally closed (set by wiring connections)
Status Indication	RED/GREEN as driven by the Controller (as supported by the controller)

Credentials

iCLASS
Seos
MIFARE Classic
MIFARE PLUS
MIFARE Ultralight
DESFire 0.6
DESFire EV1

Performance

Operational Temp	-35°C to +65°C
Weather Resistant	IP65
Vibration & Shock	ETSI 6M3
Impact Resistance	IK09 (10J Rating)
Certification	CE / FCC / IC / UL294

Order Codes

DS401KT20	AXS Series S40 Keypad Metal Keys
DS402KW20	AXS Series S40i Keypad Illuminated Keys
1KFS020	Privacy Shield
RC12020	Rear Case Kit (Spare)



FCC ID 2AEEZ-DS40. Industry Canada IC 29008-DS40. This device complies with Part 15 of the FCC Rules and Industry Canada licence exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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