



AXS S40i – 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 illuminated access control keypad offers enhanced security by dual authentication. Authorised access through a secured door or barrier can be gained by entry of a valid PIN and presentation of an authorised 13.56 MHz contactless card, token or Seos® compatible NFC device.



- **ACCESSIBILITY:** Moving tactile keytops, on a standard 19mm pitch, with home key tactile idents, ensure accessibility for those with sensory impairment.
- **SECURITY:** A requirement for both knowledge of a PIN and possession of an associated card (dual authentication) creates an enhanced level of security at primary points of access.
- **FLEXIBILITY:** Dual technology readers can expedite access by accepting just the wave of a card or PIN entry only. The host system can demand both PIN and card to achieve elevated security.
- **RELIABILITY:** AXS S40 and S40i PIN/Contactless readers feature HID® iCLASS® contactless technology encased within a robust, weather resistant STORM AXS keypad. Laboratory tested and field proven, these UL294 certified keypad / readers provide the most durable and reliable system interface.
- **COMPATIBILITY:** Supports multiple technologies including iCLASS SE® Seos®, standard iCLASS®, MIFARE™, and MIFARE DESFire™.
- **COMPLIANCE:** UL294, FCC47CFR15B, CE, RoHS2, Radio Equipment Directive.



Environmental

Operational temperature:	-35°C to +65°C (dry)
Water and dust resistance:	EN60529 IP65
Humidity:	5% to 95% RH non-condensing
UV resistance:	Suitable for continuous outdoor use
Impact resistance:	EN62262 IK09 (10J)
Shock and vibration resistance:	ETSI 6M3

Electrical

Operating Voltage:	12V DC
Operating Current:	250mA Max (illuminated)

Compatibility

Includes genuine HID technology:	Default security level V1
Accreditation protocols:	iCLASS®, iCLASS SE®, Seos®, Mifare™, DESFire™
RX/TX frequency:	13.56 MHz
Data output format:	Wiegand 26 bit, 32 bit, 34 bit or 40 bit PIN data: 4 or 8 bit burst

Compliance

EMC emissions:	CE, European Radio Directive & FCC 47CFR15B
EMC immunity:	IEC62559-2
Security:	UL294 NRTL Certified

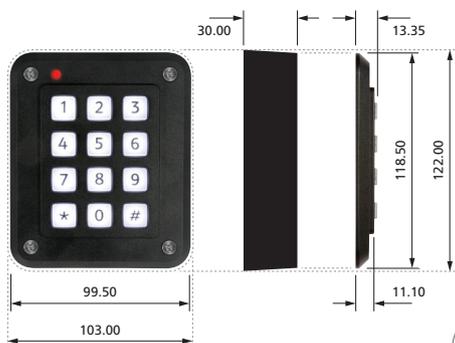
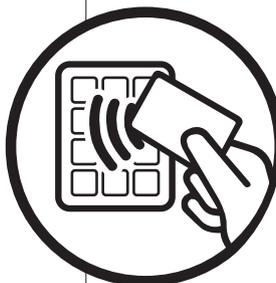




- A - 5V Power Input
- B - BEEP input (active low)
- C - DATA HOLD input (active low - holds card data only)
- D - TAMPER (normally closed)
- E - 0V
- F - 0V
- G - RED LED input (active low)
- H - GREEN LED input (active low)
- I - 12V Power input
- J - Wiegand Data 1 output
- K - Wiegand Data 0 output
- L - TAMPER (normally open)

Either the 12V or 5V power inputs can be used.
If both power supplies are connected, the 12V input takes precedence.
For maximum keypad illumination brightness, 12V power should be used.

Optional Privacy Shield provides additional protection.
(part number 1KFS020)



Storm AXS-S40i keypad connection details

(Fixing hardware, sealing gaskets and comprehensive installation instructions are included)

All dimensions in mm



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Part Numbers

AXS-S40/S40i

- S40 Keypad with metal keys
- S40i Illuminated Keypad

Accessories

- DS401KT20 PIN Privacy Shield
- DS402KW20 1KFS020



For more information & to order:
www.storm-interface.com

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Designed & produced by NIK Design Ltd
www.nikdesign.co.uk

