

OmniAssure™ 2.0 XS Smart Readers

The Honeywell OmniAssure 2.0 XS Smart readers provides a flexible range of access control readers for reading high frequency 13.56 MHz credentials. Honeywell OmniAssure 2.0 XS readers come with and without PIN keypad, with software controlled interface for Wiegand, Clock and Data, TTL and RS485. The field programmable capabilities future proof your investment.

Technologies

Honeywell OmniAssure 2.0 XS MultiSmart readers support:

- ISO14443-3A: MIFARE® Classic, MIFARE Ultralight®.
- ISO14443-4A: MIFARE DESFire® EV1, EV2 and V0.6, SmartMX.
- ISO14443-4B: Infineon, Atmel and STMicroelectronics.
- NFC: Peer-to-peer and support for passive credentials and devices.

Output Protocols

Honeywell OmniAssure 2.0 XS readers are configurable for OSDP including Secure Channel or traditional access control: Wiegand, Clock & Data, TTL.

Multi-Credential Capabilities

The Honeywell OmniAssure 2.0 XS Smart reader can be configured to support up to five different credential sets. Each set defines: credential type, input data handling, output data format. This feature enables the use of a mixed credential population with different credential types, data encodings and security settings, making the Smart Reader XS ideal for transitioning credential populations to new systems.

Honeywell OmniAssure 2.0 XS PIN Readers

Honeywell OmniAssure 2.0 XS readers with PIN keypad provide a 3 x 4 matrix in a mullion style housing with back lighted symbols. Back lighting is initiated by either pressing a key or presenting a credential. PIN code entry is configurable from one to twelve digits. Honeywell OmniAssure 2.0 XS PIN readers support customer defined PIN codes. The back lighted feature allows for installation and use in low-light environments.

Credential Handling

Credential handling is performed in transparent or reader mode. In transparent mode the reader creates the requested output based on information in default credentials. In reader mode, the requested output is created via programmable parameters that control the operation of the highly flexible read and data engines of the reader.



In Field Programmable

Honeywell OmniAssure 2.0 XS Smart readers are field programmable. Dismounting of readers is not required with contactless programming cards. Field programming allows changes to the function of the reader, adoption to changing security requirements, and loading of new firmware with new technologies and features.

Security Features

Honeywell OmniAssure 2.0 XS readers provide standard security features:

- Tamper Detection: To detect opening of the reader housing, signaling is provided through customer defined actions.
- Key Store: Each reader contains uniquely AES encrypted key storage for reader and credential security keys.
- Key Diversification: Available on all supported technologies to provide higher security by uniquely securing the data on the credential.

OmniAssure™ 2.0 XS MultiSmart Readers Technical Specifications



POWER SUPPLY		OT30BHONCST	OT35BHONCST
VOLTAGE RANGE		7 - 24 VDC	7 - 24 VDC
POWER (W)	AVG	1.50	1.50
POWER (W)	PEAK	2.35	2.55
(mA) @ Vmin	AVG	215	215
(mA) @ Vmin	PEAK	340	365
(mA) @ 12 VDC	AVG	125	125
(mA) @ 12 VDC	PEAK	200	215
(mA) @ Vmax	AVG	65	65
(mA) @ Vmax	PEAK	100	110

INSTALLATION	
CONNECTIONS	Non-detachable 8-pin screw connector
MOUNTING	Two piece housing, front with electronics and wall mounting plate
PIN MODEL SPECIFIC	
ACTUATORS	Mechanical switch
ACTIONS	1.000.000 times minimum
INDICATORS	Back lighted symbols, sound and LED bar action
WARRANTY	
WARRANTY	Limited Lifetime

ENVIRONMENT	
USAGE	Indoor and Outdoor
HUMIDITY	0 - 95% non-condensing
TEMPERATURE	-15°F to 150°F (-25°C to 65°C)
PROTECTION CLASS	IP55 IP54 for PIN models
MECHANICAL	
DIMENSIONS	5.63" x 1.8" x 1.0" (H x W x D) 143.0 mm x 46.0 mm x 25.0 mm
MATERIALS	UL94 V0 LEXAN
TECHNOLOGIES	
ISO14443-3A	MIFARE Classic, MIFARE Ultralight
ISO14443-4A	MIFARE DESFire EV1 and EV2 (and version 0.6), SmartMX
ISO14443-4B	Infineon, Atmel, STMicroelectronics
NFC	Active mode on all models
PROTOCOL INTERFACES AND MODELS	
WIEGAND, CLOCK & DATA, TTL SERIAL	0 - 5 VDC or open drain
RS485 OSDP	0 - 5 Volt levels
USER FEEDBACK	
BI-COLOR LED BAR	Single bar for user feedback with two controllable sections used for reader internal progress feedback
SOUNDER	Multi-tone
SECURITY FEATURES	
TAMPER DETECTION	Detect and signal open housing
KEY STORE	Per reader uniquely encrypted key storage
COMPLIANCE	
LISTINGS AND CERTIFICATIONS	CE, FCC, IC, UL 294*, ULC-S319*

* Tested in accordance with UL 294 and ULC-S319 standards by ETL.

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ORDERING

READERS	
OT30BHONCST	OmniAssure 2.0 XS Smart Reader
OT35BHONCST	OmniAssure 2.0 XS Smart Reader with PIN

ACCESSORIES	
OT3XBHONCBB	5mm Back plate with cable drain for OT3x reader
OT3XBMOUNTC	OmniAssure mullion to back box adapter mount
OT3XBMOUNTBBC	5mm Back plate with cable drain for OT3XBMOUNTC

For more information

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Honeywell reserves the right, without notification, to make changes in product design or specifications.

HSF-OmniAssure20XS-01-EN | 01/18
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