OMNIASSURE™ 2.0 XS MULTISMART READERS
ACCESS CONTROL SYSTEM

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.

SYSTEM OVERVIEW

The Honeywell OmniAssure 2.0 XS MultiSmart readers provides a flexible range of access control readers for reading high frequency 13.56 MHz and low frequency 125 kHz Prox 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.

- Low Frequency - LF Prox: EM4102 and credentials programmed for HID®, AWID®, QuadraKey and GE/CASI® ProxLite® LF Proximity credentials.

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 MultiSmart reader can be configured to support up to five different credential sets with up to two low frequency credentials. 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 MultiSmart 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.

Honeywell

In Field Programmable

Honeywell OmniAssure 2.0 XS MultiSmart 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.

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.

Technical Specifications

POWER SUPPLY		OT31BHONCSQT	OT31BHONCSQT
VOLTAGE RANGE		7 - 24 VDC	7 - 24 VDC
POWER (W)	AVG	1.50	1.50
	PEAK	2.35	2.55
(mA) @ Vmin	AVG	215	215
	PEAK	340	365
(mA) @ 12 VDC	AVG	125	125
	PEAK	200	215
(mA) @ Vmax	AVG	65	65
	PEAK	100	110

INSTALLATION

CONNECTIONS	Non-detachable 8-pin screw connector
MOUNTING	Two piece housing, front with electronics and wall mounting plate

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" × 1.8" × 1.0" (H × W × D) 143.0 mm × 46.0 mm × 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
ISO14443-4Ba	Infineon, Atmel, STMicroelectronics
NFC	Active mode on all models
LOW FREQUENCY-PROX	HID Prox, AWID, QuadraKey, EM4102 and GE/CASI® ProxLite

PROTOCOLINTERFACES AND MODELS

WIEGAND, CLOCK & DATA, TTL SERIAL	0 – 5 VDC or open drain
RS485 OSDP	0 – 5 Volt levels

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

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 Info	
OT31BHONCSQT	OmniAssure 2.0 XS MultiSmart
OT36BHONCSQT	OmniAssure 2.0 MultiSmart XS PIN

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