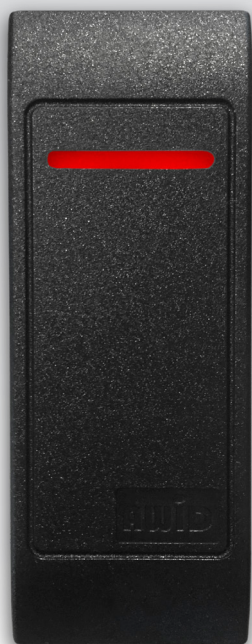


XR-100

With Open Supervised Device Protocol (OSDP)



NEW: AWID's XR-100 now includes OSDP.

A worthy breakthrough for migration into the protocol standard. The XR-100 has selectable Wiegand or OSDP, provides significant cost savings upon customer transition as there's no need to re-credential, and is backward compatible with existing installations.

The XR-100 UHF switchplate-type reader is designed with the user in mind: responsive, secure, and fast. The essential access link for door entry into buildings, or gate entry into parking facilities.

- > OSDP is an access control communications standard developed by the Security Industry Association (SIA) to improve interoperability between access control and other security devices.
- > OSDP is known as "high security" because it meets Federal Identity, Credential, and Access Management (FICAM) guidelines. It supports high-end, AES-128 encryption, which is required in federal government applications.

FEATURES

- **People access using UHF cards:**
Same cards for vehicles and people
- **Quick access at busy entrances:**
Read range up to 1 foot
- **Easy mounting:** *Fastens on door/window mullion or wall*
- **Easy wiring for power and data:**
Connects like a proximity reader
- **Combines car and personal access:**
Interfaces to common access control
- **Reader needs no programming:**
XR-100 reads all AWID UHF cards
- **Compatible with access systems:**
Standard code formats & interfaces
- **Visible and audible feedback:**
Reads indicated by LED and beeper
- **Great appearance in all locations:**
Attractive enclosure, compact dimensions



BUILDING OR PARKING ACCESS

INSTALLATION

The XR-100 reader fits perfectly on a single-gang electrical utility box, wall, or other surface, using two screws (supplied). With selectable Wiegand and RS-485 data output, the XR-100 reader can be interfaced for a wide variety of access control, special system control, and user identification applications.

OPERATION

When an RFID tag approaches the reader, the reader sends the tag ID to the Control Panel immediately upon the first detection. If the tag remains in range, the reader will not resend the ID until the configured repeat time has passed. After that, the ID will be sent again.

The XR-100 reader's read range is 1 foot. Mounting the unit directly on a metal surface slightly reduces the read range. Presenting any AWID UHF card or keytag to the reader causes the beeper to sound and the LED to change color momentarily.

CREDENTIALS

The hand-held cards and keytag for the XR-100 are the same as the credentials that AWID offers for its UHF long-range readers in gate applications for vehicle access. Encoding in the cards and keytag has the same format and data fields as in AWID's credentials for all other reader types.

ACCESSORIES AND SUPPLIES

MOUNTING HARDWARE: Two self-tapping screws are supplied with the XR-100 reader.

POWER SUPPLY: The XR-100 reader operates with voltage between +5 volts and +12 volts DC. Most controller panels provide suitable voltage and current on the "+DC Power" and "ground" terminals. An external DC power supply (nominal +12 volts, 1 ampere, linear-rated, regulated output) may be used.

CABLE FOR POWER AND DATA: A single cable interfacing the reader to the panel should be 22 gauge, 4 conductors, **overall shielded**, stranded wires, color-coded, not twisted pairs. Using Wiegand interface, cable may be up to 500 feet long for power and data.

INSTALLATION SHEET: Download full instructions at AWID.com

OPERATING CHARACTERISTICS

READING DISTANCE:

- On wall or metal - up to 1 foot

FREQUENCY BAND:

- 902 to 928 MHz
- Frequency-hopping technology

POWER SUPPLY:

- +5 to +12 volts DC supply; rated 1.0 ampere or more; linear type; regulated DC output (panel's power terminals are OK)

COMMUNICATIONS PROTOCOL:

- Wiegand or OSDP and RS-232

CODE FORMATS:

- Programmed in AWID's UHF credentials
- Reads 26-bit to 50-bit codes

CABLE (FOR WIEGAND INTERFACE):

- 22-gauge, 4 wires, stranded, color-coded
- Overall shielded for both power and data
- Up to 500 ft long for Wiegand interface

PHYSICAL CHARACTERISTICS

DIMENSIONS: 1.9" x 4.8" x 0.7"

WEIGHT: 4 oz (113 grams)

MATERIAL (COLOR): ABS 1-part sealed enclosure, black

CABLE (INTEGRATED WITH READER):

- 10 conductors, 18 inches long
- Overall shielded, gray plastic jacket

MOUNTING:

- On mullion, wall or other surface

ENVIRONMENT

OPERATING TEMPERATURE:

- At 50% duty cycle: -31°F to +150°F (-35°C to +65°C)
- At 100% duty cycle: -31°F to +115°F (-35°C to +45°C)

OPERATING HUMIDITY:

0% to 95% non-condensing

CERTIFICATION

ISO 9001:2000, FCC Part 15, IC, RoHS compliant

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