

# MEET THE ALL NEW XM-700



## FAST. CONVENIENT. RELIABLE.

### ACCESS REDEFINED



IT'S A FAST-PACED WORLD OUT THERE – YOUR TIME IS VALUABLE AND WE'RE LISTENING.

AWID's **XM-700** UHF switchplate-type reader is designed with the user in mind: responsiveness, security, and speed. Utilizing these crucial characteristics, we have developed the essential access link for door entry into buildings, or gate entry into specified parking facilities.

Cutting-edge UHF reader technology allows the use of hand-held cards and keytags used for access control into buildings, as well as by drivers at the gate. The cards and keytag are compatible with AWID's LR-2000, LR-2200 and LR-3000 long-range readers.

## FEATURES

- **People access using UHF cards and tags:**  
*Same cards for vehicles and people*
- **Quick access at busy entrances:**  
*Read range 5 to 7 feet*
- **Easy mounting:** *Fastens on electrical box 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:**  
*XM-700 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 XM-700 reader fits perfectly on a single-gang electrical utility box, a wall, or other surface, using two screws (supplied). With simultaneous Wiegand and RS-232 data output, the XM-700 reader can be interfaced for a wide variety of access control, special system control, and user identification applications.

## OPERATION

The XM-700 reader's read range is 5 to 7 feet, while mounting the unit directly on metal slightly reduces the read range. Presenting any AWID UHF card to the reader causes the beeper to sound and the LED to change color.

## CREDENTIALS

The hand-held cards and keytag for the XM-700 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:

Screws for single-gang electrical utility box are supplied with the XM-700 reader.

### POWER SUPPLY:

The XM-700 reader operates with voltage between +9 volts and +12 volts DC. An external DC power supply (nominal +12 volts, 1 ampere, regulated output) must 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.

## OPERATING CHARACTERISTICS

### READING DISTANCE:

- 5 to 7 feet

### FREQUENCY BAND:

- 902 to 928 MHz
- Frequency-hopping technology

### POWER SUPPLY:

- +9 to +12 volts DC supply; rated 1.0 ampere or more; regulated DC output

### COMMUNICATIONS PROTOCOL:

- Wiegand and RS-232, simultaneous

### 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:** 5.5" x 5.5" x 1.125"

**WEIGHT:** 15.2 oz (431 grams)

**MATERIAL (COLOR):** ABS 1-part enclosure, gray

### CABLE (INTEGRATED WITH READER):

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

### MOUNTING:

- On wall or single-gang utility box with supplied metal back plate

## ENVIRONMENT

### OPERATING TEMPERATURE:

- -31°F to +150°F (-35°C to +65°C)

**OPERATING HUMIDITY:** 0% to 95% non-condensing

## CERTIFICATION

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