



# INSTALLATION SHEET

## XF1100, XF2100, XF2110

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### PARTS LIST:

- 1 - Installation Sheet
- 1 - Reader
- 2 - Mounting Screws
- 1 - Security Screw (2 w/XF2100 and XF2110)

### Removal:

1. Remove unit from box.
2. Notice the connector on the inside of the cover plastic and the base unit plastic. The connector will end up at the top side of the reader when mounted. (ILLUSTRATION)

### Mounting the Reader:

1. Determine an appropriate mounting position on the door frame or wall, be sure to account for any applicable ADA height requirements.
2. Drill a minimum of two mounting holes a minimum of 3.2" apart on the mounting surface of the door frame or wall. Drill one 3/4" diameter cable hole for the pigtail wire connection. Wire the unit according to the color code chart below. Screw base unit to wall. (ILLUSTRATION)
3. Following cable connection (see the cable connection diagram below), re-install the plastic cover to the reader base. The base male connectors should align with the cover connector holes and the bottom slot should easily slide over and snap into place over the plastic dimple of the base. After ensuring connection, install the security screw on the bottom of the reader.

### Cable Connections:

1. XceedID readers are supplied with a 12 conductor cable pigtail. Connect this pigtail with the host/panel being careful to match the color of each wire with the chart shown below. (ILLUSTRATION)

Yellow =	Beeper
Blue =	Hold
Purple =	Open Collector/Card present
Green =	Data 0
White =	Data 1
Orange =	Green LED
Brown =	Red LED
Red =	Power +DC (6-16 VDC)
Black =	Ground
Pink =	RQE (Request to Exit input)
Grey =	DI (Door DI Input)
Tan =	Tamper Output
Drain =	Shield Ground

2. Use a linear DC power source between 6 volts and 16 volts.
3. Be sure the reader is properly grounded by attaching the ground wire to an earth ground connection at the power supply or panel end of the cable.

### **Testing the Reader:**

1. Power up the reader. The LED will light followed by a beeper tone. This indicates that the reader is ready.
2. Present a proper card or token programmed to operate the reader and a green LED flash will indicate successful operation. Note that a red flash could simply indicate an incorrect match or mis-programmed card/token rather than a faulty reader installation.

### **Additional Notes:**

- The voltage specification for these products is 6 volts to 16 volts. Higher voltage within these specifications will result in better performance.
- Typical cable guage ranges from 18 to 22 guage. Check with your cable supplier to determine the best choice for your application and installation distance.

### **Specifications:**

- Power Supply: Linear DC
- Voltage Range: 6 – 16VDC
- Temperature Range: -25F to 125F
- Card Read Distance: Up to 4.5" – Distance can vary widely depending on installation conditions and credential type.
- Cable Distance to Panel in Wiegand mode:
  - **500 ft. maximum at 12 volts**
  - **200 ft. maximum at 6 volts**
- Information Output: Wiegand = 64 bits; RS485 = 128k bits per second
- Tamper Output: Open Collector
- Regulatory Approvals and Standards
  - UL
  - ISO15693
  - ISO14443A
  - Europe: CE Listed.

### **Federal Communications Statement:**

The FCC requires the following statement for your information:

This reader utilizes and radio frequency energy and has been tested and complies with the limits of FCC testing. Changes, modifications or disregard of proper installation instructions not expressly approved by XceedID Corporation is strictly prohibited by the FCC and could void the user's authority to operate the equipment.

### **For Canadian Users:**

This unit has been tested and meets all applicable Industry of Canada technical specifications.

- This device may not cause radio frequency interference.
- This device must accept radio frequency interference.

In the unlikely event interference occurs, please contact the manufacturer.

