



Install Guide XF1550P 125 kHz Reader

XF1500P	XF1500CS4
1 - Installation Sheet	1 - Installation Sheet
1 - Mounting Plate	1 - Mounting Plate
1 - Cover	1 - Cover
1 - Potted Reader Assembly	1 - Potted Reader Assembly
2 - Mounting Screws	2 - Mounting Screws
1 - Cover Assembly Screw	1 - Cover Assembly Screw
	1 - Pigtail with Connector

MOUNTING THE READER

1. Determine an appropriate mounting position on a single gang box or wall. Be sure to account for any applicable ADA height requirements.
2. For a single gang box mount, attach the back-plate to the holes in the single gang box using the screws provided.
3. For a wall mount, drill two mounting holes between 2.5" (63.5mm) and 3.5" (88.9mm) apart on the mounting surface. Drill one 3/4" (19.1 mm) diameter cable hole for the pigtail wire connection.
4. Connect the mounting plate to the wall using the screws provided.
5. Wire the unit according to the color code chart below ensuring that all connections are made through the center hole in the mounting plate.
7. Hook the top of the potted case assembly to the top of the mounting plate.
8. Swivel the unit down into place and snap the cover over the potted reader assembly.
9. Install the screw from the bottom to fix the cover to the potted case to the mounting plate.

CABLE CONNECTIONS

1. XceedID XF1550P readers are supplied with a 12 conductor cable pigtail.
2. Connect this pigtail with the host/panel being careful to match the color of each wire with the chart shown in Figure 1.
3. Use a DC power source between 5 volts and 16 volts.
4. 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 miss-programmed card/token rather than a faulty reader installation.

Additional Notes

- The voltage specification for these products is 5*-16VDC.
- Typical cable gauge ranges from 18 to 22 gauge. Check with your cable supplier to determine the best choice for your application and installation distance.

Specifications

- Excitation Frequency: 125 kHz
- Power Supply: DC
- Voltage Range: 5* – 16VDC
- Current Range: 100 mA average, 130mA peak
- Temperature Range: -31C to 65C (-25F to 149F)
- Card Read Distance: Up to 3.0" (76.2 mm) – Distance can vary widely depending on installation conditions and credential type.
- Cable Distance to Panel in Wiegand mode:
-500 ft. maximum @ 22 awg for 12 volt supply.
-*100 ft. maximum @ 22 awg for 5 volt supply.
- Information Output: Wiegand = up to 64 bits
- Regulatory Approvals and Standards:UL 294, ISO15693, ISO14443A, Europe: CE Listed.

FCC Statement

The FCC requires the following statement for your information: This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. 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:

- Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

For European Union Users

This unit has been tested and determined compliant to the following European Standards:


- Safety (art 3.1.a): EN50130-4 (1995 W/A1: 98 & A2: 03)
- EMC (art 3.1.b): ETS EN 301 489-3 V1.4.1 (2002-8)
- SPECTRUM (art 3.2): EN 300 330-2 V1.3.1 (2006-4)
- **CE** 0976 

Figure 1. XF1550P wire connections

XF1550P	
Green	Data 0
White	Data 1
Orange	Green LED
Brown	Red LED
Red	Power + DC (5-16 VDC)
Black	Ground
Tan	Tamper Output (External)
Pink	Card Present
Yellow	Beeper
Gray, Purple, Blue	Not Used