

IRXP-OE Elevator Reader User Instructions

Part Number(s): IRXP-OE

Output: RS-232 Serial format,

Voltage: 5V DC +/-10%, 250mA, Max (3W)

Temperature: -30° C to +70° C (-30° F to +160° F)

The following card formats are supported;

iClass
iClass SE/SR
iClass Seos
Mifare Classic 1K/4K & SE
Mifare Desfire

The following Prox technologies are supported;

HID Prox
Indala Prox
EM4100
EM4102
EM4200
EM4305
EM4450
FDX-B
T5557
T5567
AWID Prox

Communications is through the serial port connection to the reader and is a two-way communication protocol.

The following commands are of interest;

“???” (without quotes), reader will respond with “ESSEX OERTP V1.0.1.41”. Use this command to verify communications with the reader.

“rrr” (without quotes), reader will respond with a reset, six quick blinks of the LEDs, & six beeps from the audio annunciator. Use this command to reset the reader in preparation for configuring a mobile access key.

When a card credential is presented or a phone with a credential installed communicates with the reader, the reader will respond with the credential data in ASCII binary format, LSB first.

For installation of card keys or encryption keys, use HID Global mobile access or security encryption documentation, on this subject.

Integration Instructions for Host Product Manufacturers

NOTE: THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

Applicable FCC Rules

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 equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules, 15.209, 15.225, and 15.247. These limits are designed to provide reasonable protection against harmful interference in an elevator installation. The module is only authorized to those rules; the host product manufacturer is responsible for any other FCC rules that apply to the host device. The host product manufacturer is still responsible for Part 15 subpart B compliance testing with the modular transmitter installed.

Use Conditions

The host product manufacturer must use the antennas that are provided with this reader & modules. These antennas are designed for free air coupling, the placement of any metal structures in close association with these antennas will detune them.

RF Exposure Considerations

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna.

End Product Labeling

The next assembly should have instructions and a label that refers to our FCC ID: 2ANAC-ER002.

Test Modes

There are no test modes currently provided by this reader.

Applicable FCC Rules

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Use this product only with the antenna(s) provided. The host product manufacturer is responsible for compliance to any other FCC rules that apply to the host not covered by the modular transmitter grant of certification. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.