

Description

The 472 HARD-WIRE-LESS™ Interface Card allows you to connect one or more Inovonics FA400 Remote Receivers to the XR200 Command Processor panel. The receivers allow you to use Inovonics FA series wireless transmitters on up to 200 of the panel's expansion zones.

The 472 card also provides a 4-wire LX-Bus™ that supports combinations of the 711, 711E, 714, and 715 Zone Expanders, 716 Output Expanders, 717 Graphic Annunciator Modules, and the full range of LX series single point detectors. You can connect any combination of wireless and hardwire devices to the 472.

Note: When using the 472 card in combination with a 460 Interface Adaptor Card you must use the Model 350 Enclosure.

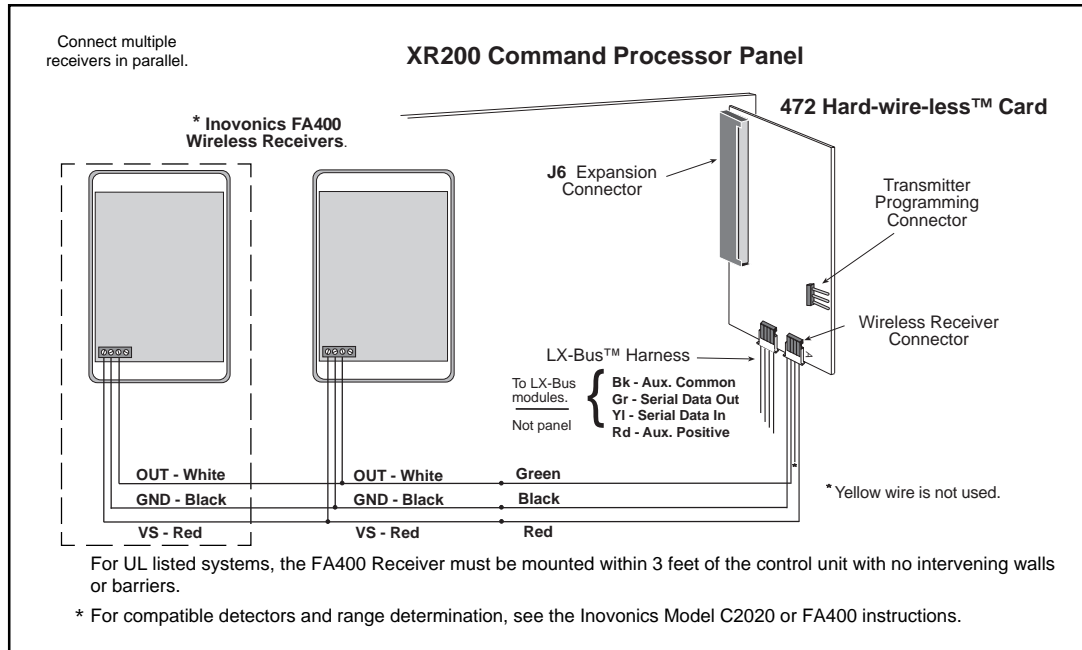


Figure 1: Wiring for the FA400 series receiver(s) and 472 card.

Installing the HARD-WIRE-LESS™ card

1. Remove AC and battery power from the XR200 panel before installing the 472 card.
2. Carefully align the 50 pin connector of the 472 with the J6 connector on the XR200 panel.
3. Gently press the 472 onto the J6 connector while applying even pressure to both sides of the board.

Connecting the receiver

The Inovonics FA400 receiver contains an internal 4-position terminal strip connected to a 12 inch length of 4-wire cable. To connect the receivers to the 472 card, wire nut the ends of the cable to the 472 wire harness following the color guide below. Only three of the four wires are used.

472 Harness		Receiver Cable
Red	connects to	Red
Yellow	is not used	N/A
Green	connects to	White
Black	connects to	Black

The receivers must be mounted outside of the panel's enclosure to ensure consistent signal reception.



Programming after the NEXT ZONE? NO YES prompt

After you have programmed the zone type and area assignment for the wireless zone, you next have to program the transmitter's operating parameters. These define how often it transmits to the receiver and whether it uses an internal contact, EOL resistor, and N/O or N/C contacts. After all zone programming is completed, the individual transmitters are connected to the 472 for programming as defined in step 13.14B.

At the **NEXT ZONE?** prompt, select **NO**. This displays the following prompts:

- 13.8A** WIRELESS - Select **YES** for a wireless zone. Press the COMMAND key to continue.
Important: A panel account number must be programmed before assigning wireless zones.
- 13.8B** CHECK IN TIME - You can set transmitters to check in automatically every 10, 30, or 60 seconds or not at all. To change the default of 60 seconds, press a top row SELECT key to display the defaults of **NONE 10 30 60**. Press the SELECT key under the check-in time you want for this zone. Use **NONE** for the C100 and FA100 Control Units.
- 13.8C** INTERNAL CONTACT - Select **YES** to use the internal contact on the 200W and 210W Transmitters. Select **NO** to use an external contact. When **NO**, the next two prompts display.
- 13.8D** END OF LINE - Select **YES** to supervise an external contact connected to the transmitter. At the contact, install a 2.2k Ω end of line resistor in parallel for Normally Open contacts and in series for Normally Closed contacts.
- 13.8E** NORMALLY OPEN - Select **NO** if the contact you are using is a Normally Closed type.
Press COMMAND to display **NEXT ZONE? NO YES**. Select **NO** to program the Alarm Action for the zone you are currently programming.

After programming the Alarm Action, the display returns to **ZONE NO: – (ZONE NUMBER)**. When all zones are programmed, press the ARROW key to go directly to transmitter programming. The following prompts display:

- 13.14A** PROGRAM TRANSMITTER - Select **YES** to begin programming your wireless transmitters. Select **NO** to return to **ZONE INFORMATION** and end the wireless programming.
- 13.14B** CONNECT TRANSMITTER - Connect the transmitter whose zone number is displayed to the Transmitter Programming Connector on the 472 card using the FA620 Programming Cable. **Reset the transmitter**. The keypad displays the transmitters in sequence from the lowest zone number to the highest. At the **CONNECT XMTR:** prompt, you can also press a SELECT key and enter in any wireless zone number (100 to 299 or 000 for the FA100). After programming all transmitters, press COMMAND.
- 13.14C** CONNECT COMMAND TRANSMITTER - Connect the FA100 you want assigned to the partition shown (P 1 = Partition 1) to the 472 card. Press the Alert button on the receiver to initiate programming. Repeat the programming for each partition. To use the Alert button on the receiver as a panic, program Ambush **YES** in System Reports. **You must have at least one wireless zone programmed, even if no transmitters are being installed, before the FA100 or FA113 will work.**

Transmitter Programming Options

Required or recommended programming options for FA series transmitters and repeaters.

Program Option	100	200/210	200W/210W	201	203	204	206	207	525
Internal Contact	N/A	No	No or Yes	No	No	No	No	No	No
End Of Line	N/A	No or Yes	No or Yes	No	No	No	No	No	No
Normally Open	N/A	No or Yes	No or Yes	Yes	Yes	Yes	No	Yes	No
Check-in Time	None	10 - 60	10 - 60	10 - 60	10 - 60	10 - 60	10 - 60	10 - 60	10 - 60