

# YELLOWJACKET PRO SYSTEM



## SETUP AND OPERATION GUIDE

**RFHERO™**  
**Industrial Controls**



**[www.rfhero.com](http://www.rfhero.com)**  
**[remotes@rfhero.com](mailto:remotes@rfhero.com)**



# YellowJacket Pro System

## Remote Control Installation/Setup

### **General Information:**

The radio remote control that you are installing can be used for most electrical switching and control applications. Before beginning the installation and testing you should check that each item listed below is available and in good condition.

- 1. Antenna:** Magnetic mount antenna with 15ft of cable.
- 2. Receiver:** Usually pre-wired inside for most systems.
- 3. Transmitter:** Hand-held controller with pushbuttons.
- 4. Batteries:** (2) AA NiMH battery rechargeable for transmitter.  
\*\*\*\*\*Batteries need charged prior to first use\*\*\*\*\*  
Operator may use (2) AA alkaline batteries instead.



### **Wiring in Power Lines**

- **120VAC systems:** 120VAC systems are prewired using a standard 110V plug with supplied +13.5VDC adapter.
- **+12VDC Systems:** The +12V adapter cord can be used for +12V systems by simply cutting the cord to length and wiring the lead with the **white** stripe to +12V and the **black** only lead to Ground. \*Note– Optional power converter may be necessary for non-standard voltage.
- **24VAC Systems:** Use special connectors; contact us at (724) 610-5256



### **Wiring In Control Lines**

RFHero™ remote systems are wired to work with a variety of insulation machines. To easily adapt to other makes and models, please use the provided UAX-100 adapter cable and simply use the correct plug end for your machine. The most popular wiring convention that many insulation machine manufactures use is:

**Green–** Common Voltage

**White–** Blower/Air

**Black–**Material Feed

To utilize the UAX-100 simply use the following color code:

<b><u>UAX-100</u></b>	<b><u>Function</u></b>	<b><u>Machine Side</u></b>
Green	Common Voltage	Green
Brown	Air/Blower	White
Blue	Material Feed	Black



### **Maintenance Notes**

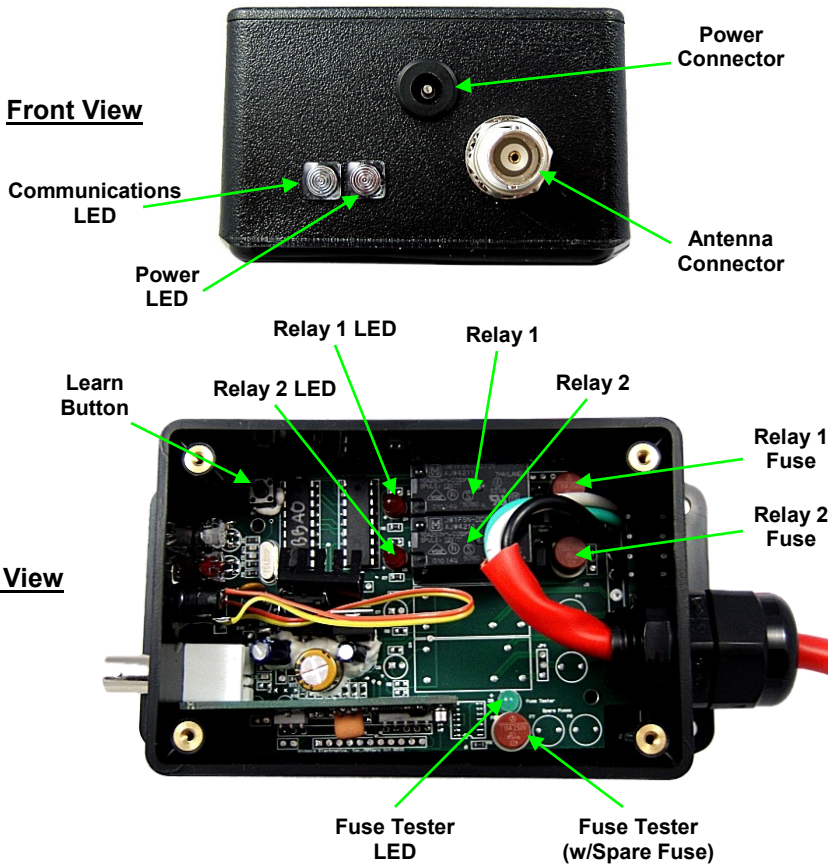
- The receiver box should be kept dry and should be periodically dusted off.
- Check the transmitter's batteries weekly. Only use two (2) AA alkaline or equivalent rechargeable batteries. When the batteries are weak the Transmitter's LED will light on red and off slowly and you may notice some reduced operating range.
- Clean the antenna periodically with mild soap and water; do not immerse in water. Allow to dry completely before use.
- If unit is to be returned for service, please clean the transmitter and the receiver before sending it back. Visit [www.rfhero.com/request-rma.php](http://www.rfhero.com/request-rma.php) to issue an RMA for system maintenance.



For help with installation or service  
Phone: (724) 610-5256  
Web: [www.rfhero.com](http://www.rfhero.com)  
Email: [service@rfhero.com](mailto:service@rfhero.com)

**FC** FCC ID: QIA-YJPRO  
IC: 21464-YJPRO  
M/N: YJPRO3B  
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (i.) this device may not cause harmful interference, and (ii.) this device must accept any interference received, that

# YellowJacket Pro Receiver



## Operating Instructions

1. Place two (2) AA batteries in the transmitter. The LED on top will flash red a few times. Once this stops, pressing any button on the transmitter will cause the LED on top to rapidly flash green.
2. Plug the YellowJacket Pro receiver power adapter into a powered outlet, then into the YellowJacket Pro receiver. The Power LED (red) should now be lit.
3. After a few seconds the Communications LED should flash green three (3) times. If it flashes any other number of times, then the mode is wrong. Please contact RFHero Support to quickly and easily resolve this.
4. Pressing a button on the transmitter will cause the LED on the top of the transmitter to flash green to indicate that the signal has been sent.
5. The Communications LED on the receiver will flash green/red (may appear orange) to indicate that a valid message has been received from the transmitter. You may also be able to hear the relay click inside the receiver. If the lid is removed from the receiver, you will also see the relay's LED turn on and off as the transmitter's buttons are pressed.
6. If the Communications LED flashes red only, the transmitter is not paired with this receiver. Please follow the directions on the next page titled, "Pairing the YellowJacket Pro Receiver and Transmitter".
7. Your system is now operational and ready for use!

## Pairing the YellowJacket Pro Receiver and Transmitter (Learn Mode)

### **ATTENTION!**

*This section contains the pairing instructions for REPLACING or ADDING an additional remote transmitter. Your new transmitter and receiver are already paired from the factory and this procedure is unnecessary for a new YellowJacket Pro kit.*

1. Remove the lid on the YellowJacket Pro receiver by unscrewing the four (4) Philips head screws (one in each corner).
2. Repeat steps 1 & 2 of the "Operating Instructions" section on the previous page. You have 60 seconds to complete the Learn Mode procedure once step 2 is complete.
3. After the Communications LED flashes three (3) times, press and hold the Off button on the transmitter.
4. Press and hold the Learn button in the YellowJacket Pro receiver.
5. Release the Off button on the transmitter for five (5) seconds.
6. Press the Off button on the transmitter again.
7. Release the Off button on the transmitter and the Learn button on the YellowJacket Pro receiver.
8. The Communications LED on the YellowJacket Pro receiver should now flash green/red (may appear orange) when a button on the transmitter is pressed.
9. Replace the lid and screws on the YellowJacket Pro receiver.
10. The transmitter and YellowJacket Pro receiver are now paired together.

### **Basic Troubleshooting**

- If the transmitter's LED flashes red slowly several times then stops, the batteries should be replaced or recharged.
- Make sure that the red Power LED is lit when the YellowJacket Pro receiver is plugged in.
- If operational range seems reduced, check the antenna for a broken wire or loose connection.
- Verify that the YellowJacket Pro receiver blinks green three (3) times anytime power is turned on.
- Verify that the control cable is securely connected, properly wired and undamaged.
- Be sure to check relay and fuses if any controls are not working.
  - All units contain a built-in fuse tester and spare fuse. Refer to YellowJacket Top View on previous page.
- Please visit [www.rfhero.com](http://www.rfhero.com) and click on the Support tab for more help.
- Contact us for more assistance at (724) 610-5256, or email us at [service@rfhero.com](mailto:service@rfhero.com)



### **This System Qualifies for Manufacturer Support**

[www.rfhero.com/support.php](http://www.rfhero.com/support.php)

Email: [service@rfhero.com](mailto:service@rfhero.com)

Phone: (724) 610-5256