

P/N: OPAKYCONN.S

Y-Connect Signal Merging Unit Installation Kit

Parts List:

- Y-Connect Signal Merging Unit
- Wire Nuts (8)
- Double-sided tape

Requirements:

- Two monitored safety sensor systems with pulsed (STB) output.
- Monitored safety sensors must be on the operator manufacturers UL 325 Listing.
- When using two sets of monitored photocells, the minimum vertical separation is 45 inches. The transmitter and receiver for the second set of monitored photocells should be on the opposite side of the door from the primary set as shown in Figure 1.

! WARNING – to reduce the risk of severe injury or death:

1. READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS.
2. Disconnect all power before beginning any work.
3. Do not reconnect the opener to source of power until instructed to do so.
4. Test the system when installation is completed.
5. Follow all local and national codes.

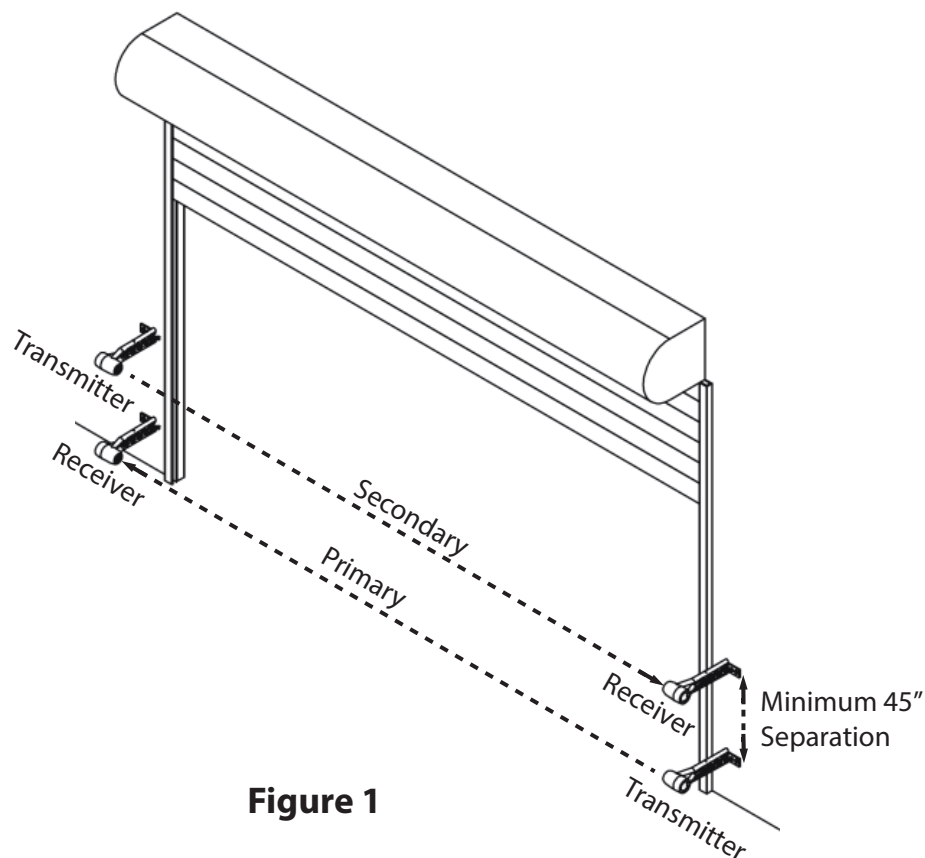
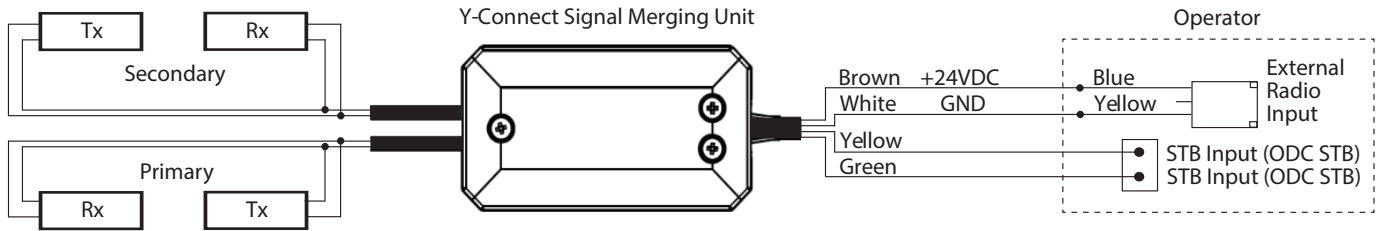


Figure 1

Installation:

1. Mount monitored safety devices per manufacturer’s installation instructions.
2. Wire Y-Connect Signal Merging Unit to operator and monitored safety devices as shown in Figure 2 using wire nuts provided in kit. Unit can be mounted inside the operator electric box using the double-sided tape that has been provided.



NOTE: Pulsed wire pairs to sensors and operator STB pulsed input are not polarized.

Figure 2

Test System:

1. Reapply power to the operator.
2. The yellow LED on the Y Connect adapter should be yellow indicating there is power to the adapter.
3. The green LED will be green indicating the monitored safety sensors are wired correctly, aligned properly, and there is no obstruction activating the sensors.
4. Operate the door and obstruct the primary monitored safety sensor while the door is closing. The door should reverse and return to the open position.
5. Operate the door again and obstruct the secondary monitored safety sensor.
6. The door should reverse and return to the open position.

Note: If any of the steps above fail, see Troubleshooting Guide below.

Troubleshooting Guide

LED Color	Status	Diagnosis	Cause/Solution
Yellow	ON	Y Connect adapter is powered on	Normal Operation
	OFF	Y Connect adapter does not have 24V AC/DC power or faulty adapter	Check power source for 24V AC/DC and wiring to adapter
Green	ON	Monitored safety sensors are not active	Normal Operation
	OFF	Monitored safety sensors are active, fault	Check for monitored safety sensor fault, obstruction, alignment and/or wiring