RF-Relay-4X

Application Guide

Things to Know

Remote:

- Powered by 3x AAA batteries (included)

Remote and Receiver:

- Come paired from the factory
- Up to 30 remotes can be paired; refer to the manufacturer's included documentation
- All relays are set to "latching" by default Refer to the manufacturer's included documentation if "momentary" control is needed

For best performance:

- Always mount the receiver as high (or as close to line-of-sight) as possible
- Ensure line-of-sight (avoid mounting receiver to concrete or metal structures)
- Always confirm visually when changing the sign's state

6-Mile operating distance is:

- Line of sight
- Shortened by surroundings, geography, and other conditions, like:
  - Concrete/metal structures and fences
  - Heavily wooded areas
  - Busy wireless environments

Fig. 1: Wireless Remote and Wireless Receiver Basics

Wireless Remote

3x AAA Batteries
(included)

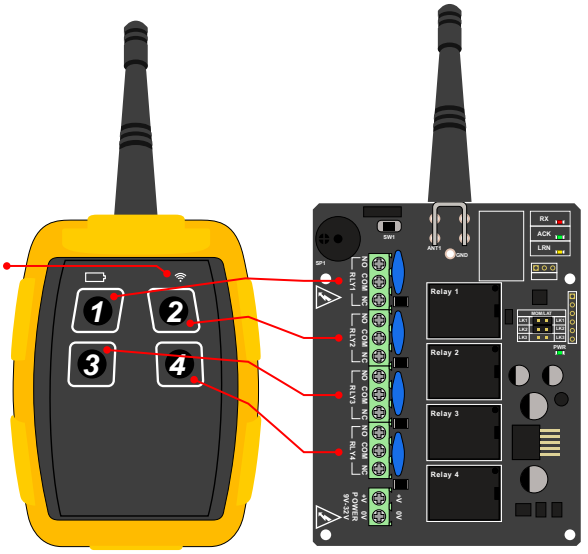
Rugged protective jacket and lanyard
(included)

LED Acknowledgment

GREEN
(steady blinking on button press)
Transmitting

GREEN
(rapid blinking)
Successful Transmission

RED
(rapid blinking)
No ack/out of range



Wireless Receiver

Compatible with 12-24VDC and 120-277VAC signs

4 Amp Maximum Load
(per Relay)

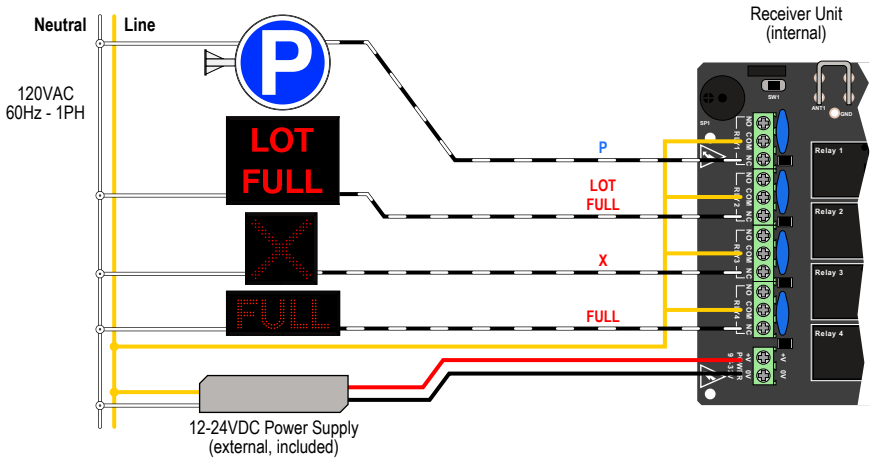
Can be set for Latching or Momentary
(set for latching at factory)

Power Input

Low-volt applications
- 24VDC is recommended
- The included power supply ***may not*** be sufficient

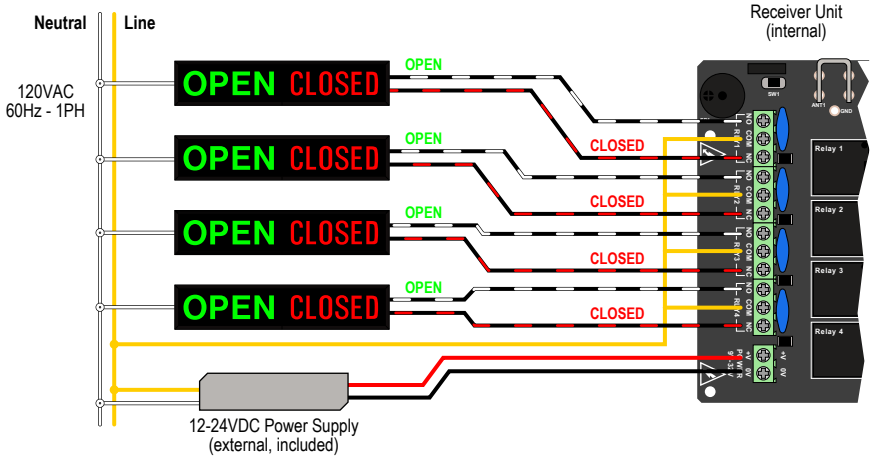
Requires an external 5 Watt power supply
(included)

Wiring Example: Up to Four 1-Message Signs



- Receiver/Relay unit ***always*** requires 12-24VDC
- Sign messages ***can*** blank-out
- Low-volt applications
  - 24VDC is recommended
  - The included power supply ***may not*** be sufficient (see your sign's spec sheet for amp draw)

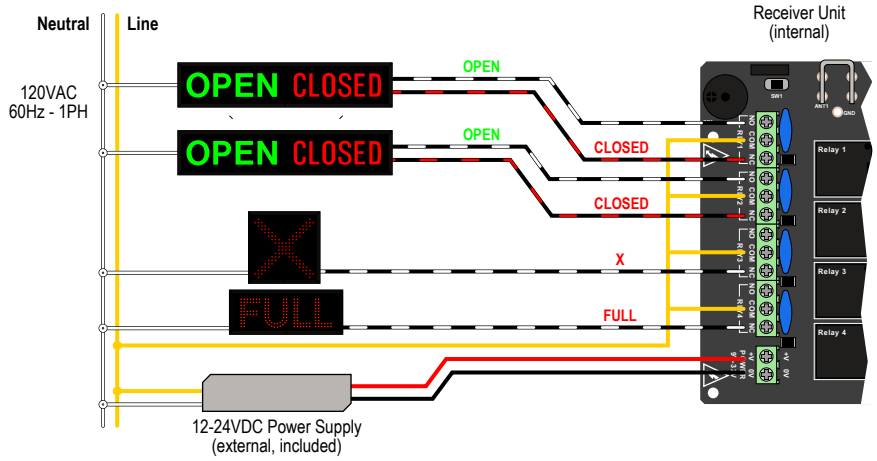
Wiring Example: Up to Four 2-Message Signs



- Receiver/Relay unit ***always*** requires 12-24VDC
- Sign messages ***cannot*** blank-out
- Low-volt applications
  - 24VDC is recommended
  - The included power supply ***may not*** be sufficient (see your sign's spec sheet for amp draw)

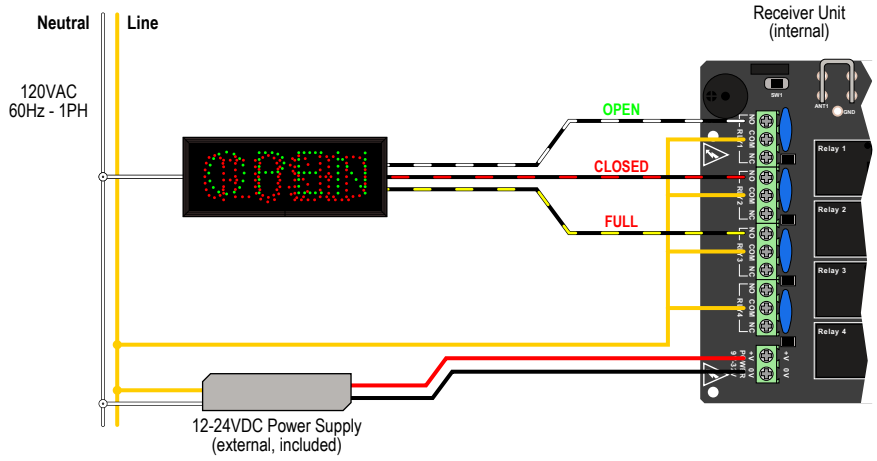
Last Revised 28 May 2025

Wiring Example: Any Combination of Four 1 and 2-Message Signs



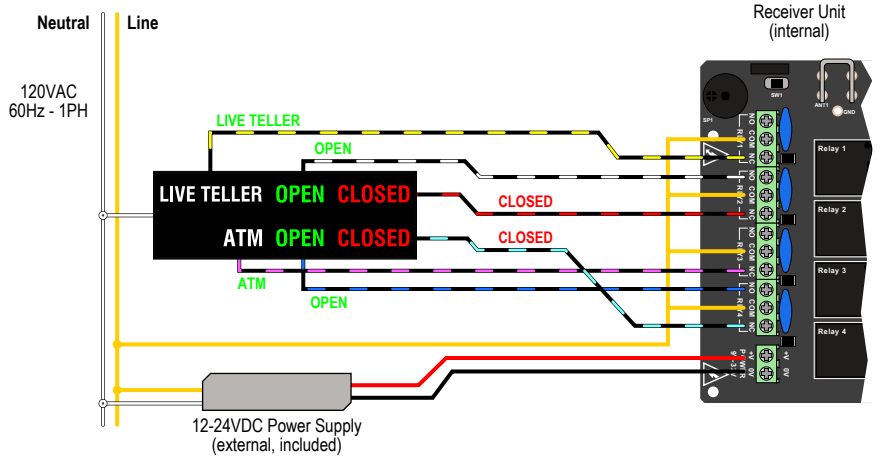
- Receiver/Relay unit ***always*** requires 12-24VDC
- 1-Message signs ***can*** blank-out
  2-Message signs ***cannot*** blank-out
- Low-volt applications
  - 24VDC is recommended
  - The included power supply ***may not*** be sufficient (see your sign's spec sheet for amp draw)

Wiring Example: Up to One 3-Message Sign



- Receiver/Relay unit ***always*** requires 12-24VDC
- Sign messages ***can*** blank-out and OPEN, CLOSED, and FULL are controlled independently
- Low-volt applications
  - 24VDC is recommended
  - The included power supply ***may not*** be sufficient (see your sign's spec sheet for amp draw)

Wiring Example: Up to One 6-Message Signs



- Receiver/Relay unit ***always*** requires 12-24VDC
- In this example ***only*** the sign messages LIVE TELLER and ATM ***can*** blank-out
- Low-volt applications
  - 24VDC is recommended
  - The included power supply ***may not*** be sufficient (see your sign's spec sheet for amp draw)

Warning Statements

Note: Make appropriate wiring connections per local code.

Note: Any holes drilled into sign cabinet **MUST** be sealed. Failure to do so may cause a short and void warranty.

Note: This unit contains a built-in CLASS 2 LED driver.

Note: This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electric Code and/or other applicable local codes. This includes proper grounding and bonding of the sign.

WARNING: Risk of Fire or Electric Shock. Do Not interconnect output terminations.

AVERTISSEMENT: Risque d'incendie ou de choc électrique. Ne pas interconnecter les terminaisons de sortie.