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## Strobe Light Operation for RQX XT-Series and Q-Series Callbox

### RQX XT-Series Models covered:

RQX-127-XT, RQX-127-XT-CANADA, RQX-127M-XT, RQX-427-XT, RQX-427-XT-CANADA, RQX-417DMR-XT, RQX-417NX-XT

### RQX Q-Series Models covered:

RQX-117, RQX-117-CANADA, RQX-117M, RQX-117NX, RQX-417, RQX-417-CANADA, RQX-417DMR, RQX-417NX

The RQX XT-Series and select Q-Series Callboxes include a built-in relay that can be used to operate a strobe light in a number of configurations. This is accomplished using the Interface Cable installed in all XT-Series callboxes, or by installing Ritron cable assembly 60201124 included with Q-Series callboxes. Refer to the INSTALLING THE CALLBOX 6-CONDUCTOR INTERFACE CABLE (60201124) section of your Q-Series Owner's Manual for Q-Series Callbox cable installation instructions.

### The Interface Cable can provide:

- A normally open relay switch that closes when a programmed event occurs. The relay switch can handle up to 3A when used to connect power to a strobe light.
- A normally closed relay switch that opens when a programmed event occurs.
- Provisions for an external +12VDC input supply that can be used to power the RQX Callbox and an LED strobe light rated at 400mA or less.
- A ground connection that can be used to provide a switch closure to ground.

### The Callbox must be programmed for the desired Relay operation:

- Refer to the XT-Series or Q-Series Callbox User's Manual for programming options and instructions.

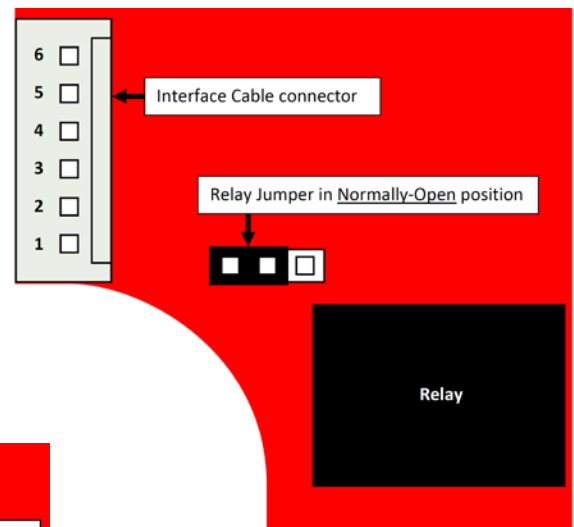
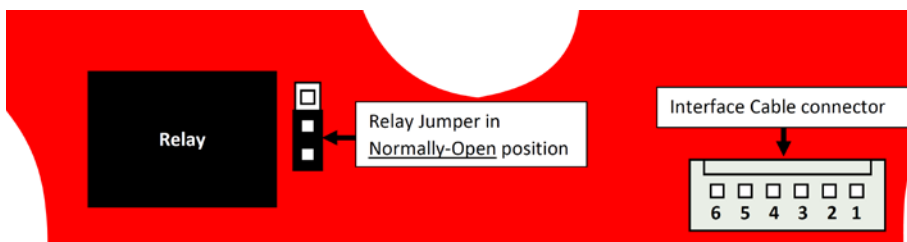
### If the strobe light is to be powered through the Callbox an external +12VDC supply is required:

- Order Ritron RPS-EXPO (PWR SUPPLY FOR CALLBOX, 110VAC/12VDC@1.5A)

### RQX Callbox 6-Conductor Interface Cable Connections:

Pin #	Wire Color	Description	
6	Red	External 12 VDC input	+ connection
5	Black	External 12 VDC input	- connection
4	Blue	Relay Switch Output	+ connection
3	Green	Relay Switch Output	- connection
2	White	Sensor Input	+ connection
1	Brown	Ground	- ground

**Note:** The Relay Polarity Jumper is shown in the Normally-Open position (factory default). If Normally-Closed Relay operation is required, move the jumper one position to the right.



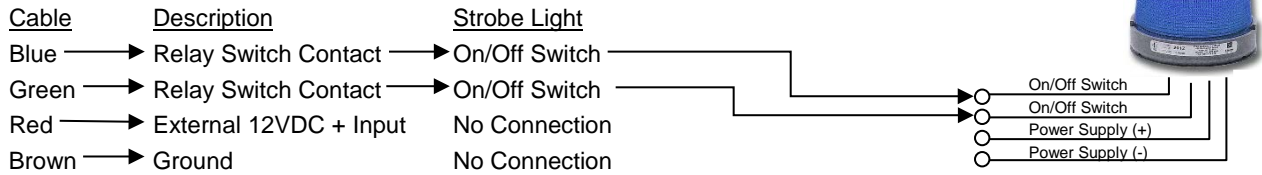
RQX-127-XT, RQX-127-XT-CANADA, RQX-127M-XT, RQX-427-XT, RQX-427-XT-CANADA, RQX-117, RQX-117-CANADA, RQX-117M, RQX-417, RQX-417-CANADA

RQX-117NX, RQX-417DMR, RQX-417NX, RQX-417DMR-XT, RQX-417NX-XT

**Connecting the Relay Switch to a Strobe Light:**

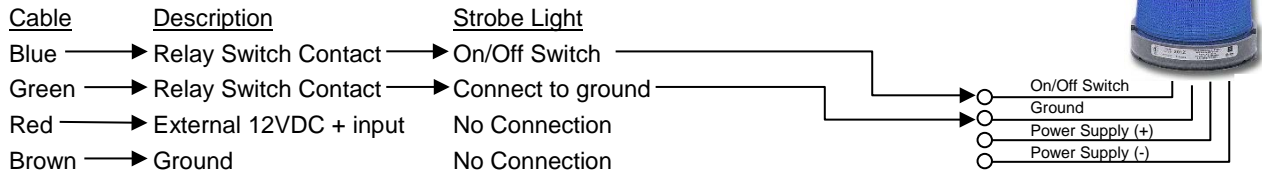
**1. A simple switch closure capable of handling 3A current.**

- The strobe light is activated when the two On/Off inputs are connected.
- The Relay Polarity Jumper is in the Normally-Open position.
- The strobe light requires its own external power, either AC or DC.



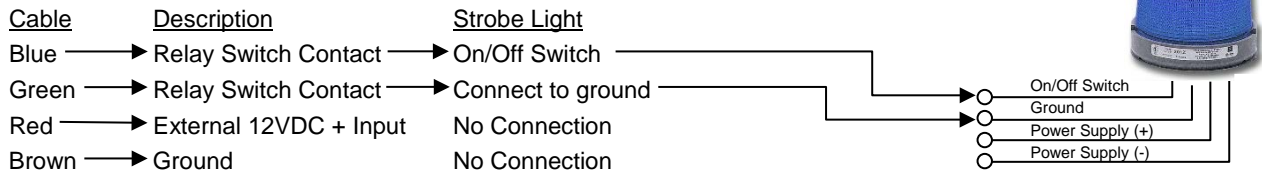
**2. A switch closure to ground to activate.**

- The strobe light is activated when a single On/Off input is pulled to ground.
- The Relay Polarity Jumper is in the Normally-Open position.
- The strobe light requires its own external power, either AC or DC.



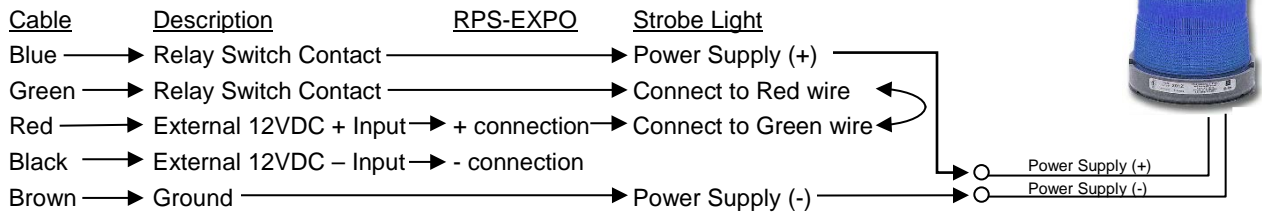
**3. A switch opens to release from ground to activate.**

- The strobe light is activated when a single On/Off input is released from ground.
- The Relay Polarity Jumper is in the Normally-Closed position.
- The strobe light requires its own external power, either AC or DC.



**4. Using the switch to connect External 12 VDC from the Callbox to the Strobe Light.**

- This allows a strobe light to be DC powered through the Callbox when the relay is closed.
- The Relay Polarity Jumper is in the Normally-Open position.
- The strobe light must be able to operate on 12VDC, and requires 400mA or less.



**5. A switch closure to ground to activate, with External 12 VDC from the Callbox to power the Strobe Light.**

- The strobe light is activated when a single On/Off input is pulled to ground.
- The Relay Polarity Jumper is in the Normally-Open position.
- The strobe light must be able to operate on +12VDC, and requires 400mA or less.

