



# Multi-Zone Tower Light

with Audible Alarm

PN #3015-6143



## Installation Guide



For more detailed product information, scan here or visit [www.mybacharach.com](http://www.mybacharach.com) to access the Multi-Zone User Manual (P/N: 3015-5074).

### 1. Introduction

The Multi-Zone Tower Light is a three color tower light that can be wired into the alarm and fault relays of the Multi-Zone for enhanced visual and audible alarming. The tower light includes a 90 dB omnidirectional audible alarm.

Please read and strictly follow the contents of this document for information on the installation of tower light.

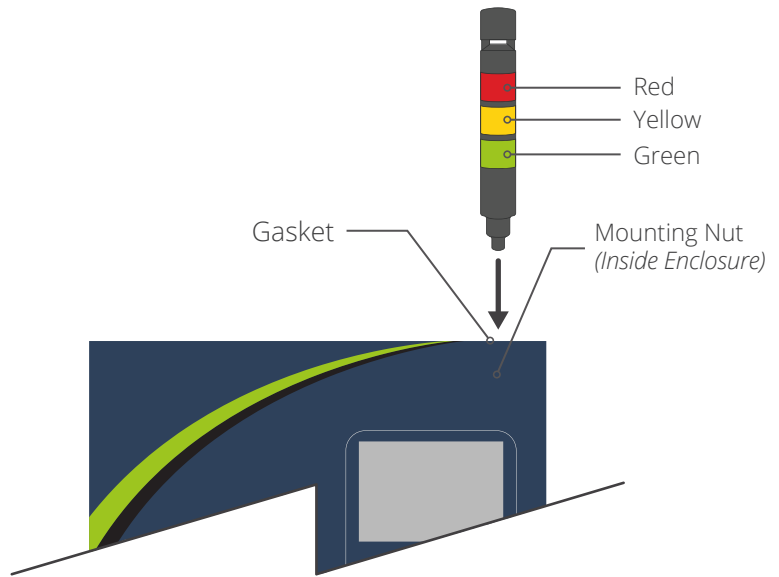
### 2. Safety Instructions



**WARNING:** Make certain that the power source is disconnected (*Circuit Breaker or Fused Disconnect Switch*) from the Multi-Zone before installing the Multi-Zone Tower Light. Failure to do so presents an electrical shock hazard to personnel and could damage to the Multi-Zone and the Multi-Zone Tower Light.

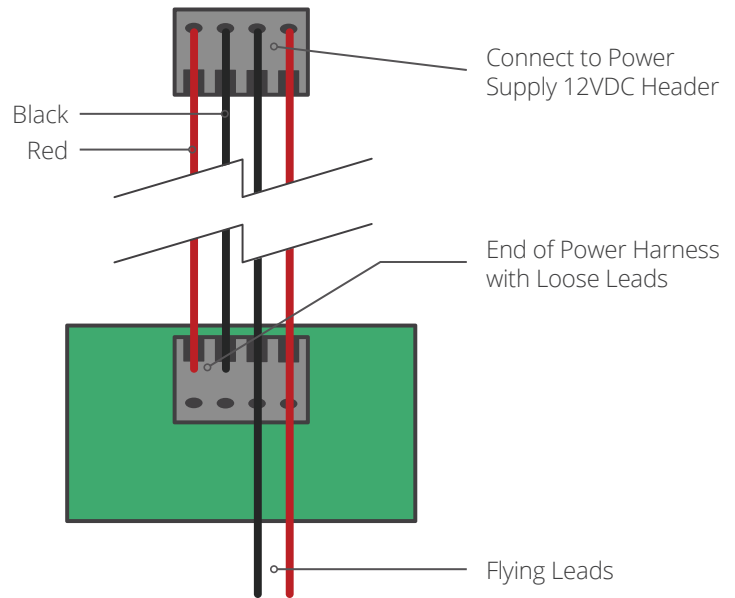
### 3. Installation

1. Install the tower light into one of the knock-out holes in the top of the Multi-Zone, securing it using the provided gasket and mounting nut.



2. Install the modified Multi-Zone power harness into locations show in the picture below.

- ▶ The end of the power harness with the loose leads (*RED and BLACK*) should be landed on the jumper on the main controller board.

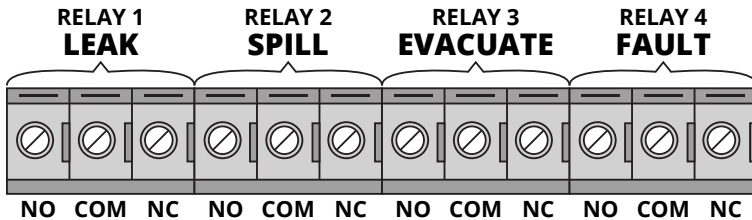


## 4. Wiring

**i NOTE:** This wire scheme is only one way to wire the Multi-Zone Tower Light. If the user wants a different response they can modify the relay wiring as they see fit.

### 1. Wiring the modified cable harness.

- ▶ The red loose end of the modified wire harness is installed in Common terminal of the Fault Relay (*Relay 4*) in the diagram below.
- ▶ The black wire is connected with a wire nut (not provided) to the Blue wire (-) of the tower light.

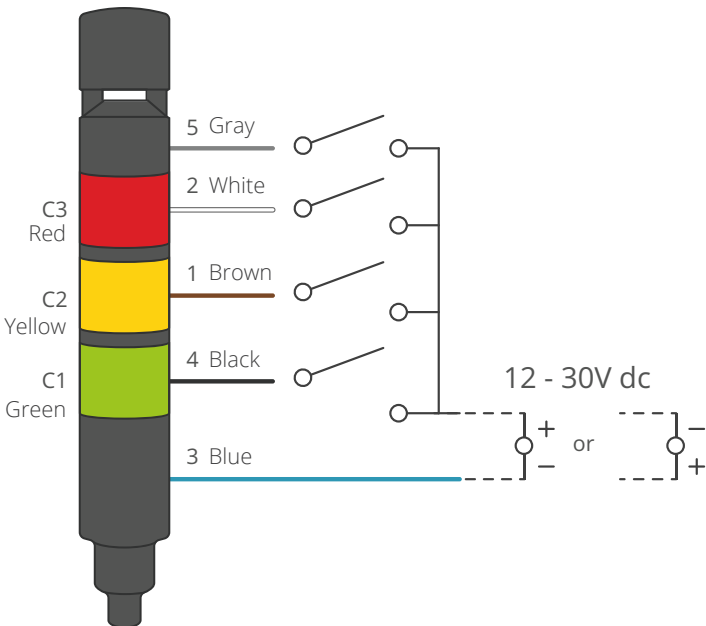


### 2. There are (4) jumpers (provided by others) that are needed to accommodate the above operation:

- ▶ **JUMPER 1** - NC terminal of Fault Relay (*Relay 4*) to Common terminal of Evacuate Relay (*Relay 3*)
- ▶ **JUMPER 2** - Common terminal of Evacuate Relay (*Relay 3*) to Common terminal of Spill Relay (*Relay 2*)
- ▶ **JUMPER 3** - Common terminal of Spill Relay (*Relay 2*) to Common terminal of Leak Relay (*Relay 1*)
- ▶ **JUMPER 4** - NO terminal of Spill Relay (*Relay 2*) to NO terminal of Fault Relay (*Relay 4*)

### 3. Connect the remaining wires from the tower light as follows:

- ▶ **BROWN** - NO terminal of Leak Relay (*Relay 1*)
- ▶ **BLACK** - NC terminal of Leak Relay (*Relay 1*)
- ▶ **GRAY** - NO terminal of Fault Relay (*Relay 4*)
- ▶ **WHITE** - NO terminal of Fault Relay (*Relay 4*)



OPERATION	GREEN	YELLOW	RED	SIREN
Normal	ON	OFF	OFF	◀
Leak	OFF	ON	OFF	◀
Spill	OFF	ON	ON	▶▶
Evacuation	OFF	ON	ON	▶▶
Fault	OFF	OFF	ON	▶▶

