

IMPORTANT SAFEGUARDS READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

When using electrical equipment, basic safety precautions should always be followed including the following:

- **DISCONNECT AC POWER SUPPLY BEFORE SERVICING.**
- Installation and servicing of this equipment should be performed by qualified service personnel only.
- Ensure that the electrical wiring conforms to the National Electrical Code NEC® and local regulations if applicable.
- Do not mount near gas or electrical heaters.
- Equipment should be mounted in locations and at heights where it will not be readily subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Any modification or use of non-original components will void the warranty and product liability.
- Do not use this equipment for other than intended use.
- Allow battery to charge for 24 hours before first use.

SAVE THESE INSTRUCTIONS!

Technical Support ■ (623) 580-8943 ■ technicalsupport@barronltg.com

TRL Series

Installation Instructions

LED Module Replacement

LED module with 11W high performance power LED. If need, please contact factory.

Function:

1. For normal lighting use, the fixture can be configured for automatic operation by the built-in daylight photo sensor or can be switched through an external switch. For battery backup models the fixture will illuminate from the battery power on loss of normal AC, regardless of the photo sensor or wall switch operation.
2. For photo sensor operation, leave the jumper between terminals 1 and 2 and slide the slide switch to the Photo Sensor position (see Fig. 4 for wiring connections). The photo sensor will turn the fixture on when the ambient lighting < 10 Lux, and off when the ambient lighting > 30 Lux.
3. For an external switch: remove the jumper between terminals 1 and 2, connect the switch device between terminals 1 and 2, and slide the slide switch to the Wall Switch position (see Fig. 5 for wiring connections). The external switch connections must be fully isolated from any other circuitry.
4. For "Normally Off" standby battery backup operation only: connect the AC power as shown in Fig. 2 or 3 below and remove the jumper between terminals 1 and 2. The slide switch is defeated in this mode so it can be in either the Photo Sensor or Wall Switch positions.

Fig. 1

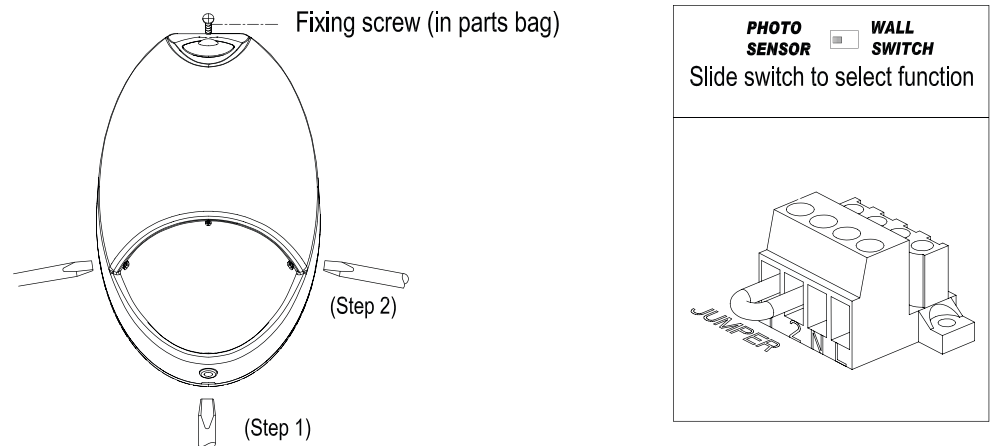


Fig. 2 Wall Mount - Back Power Feed

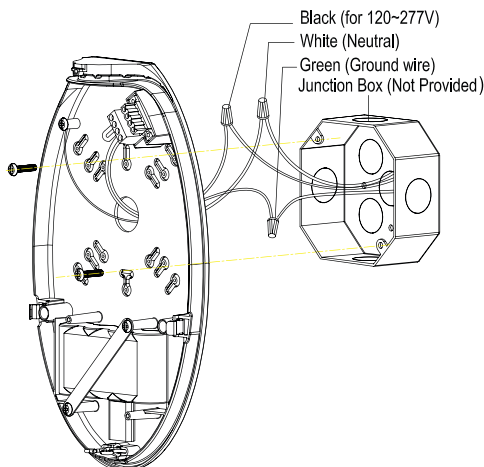
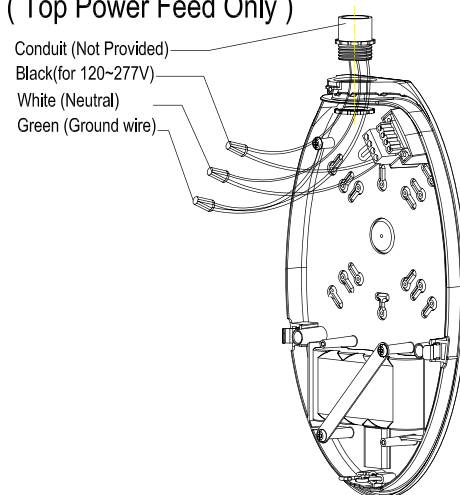
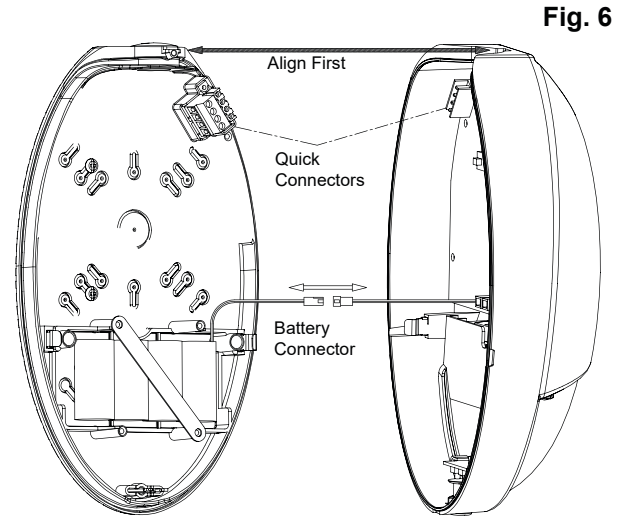
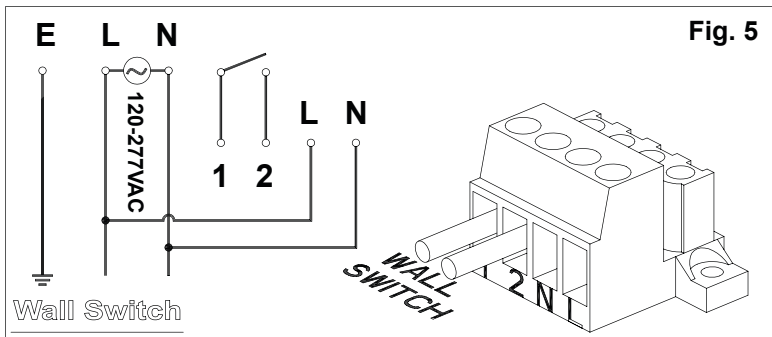
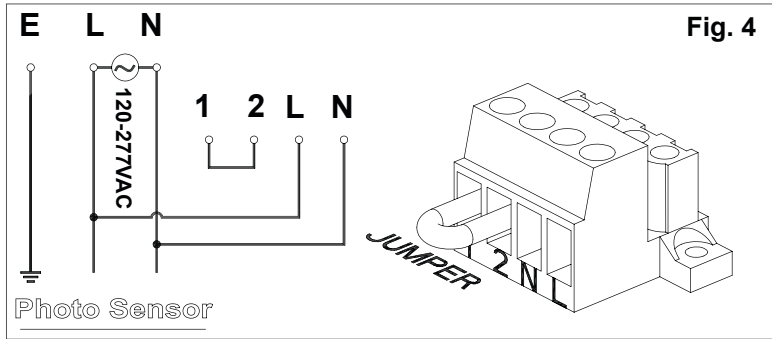


Fig. 3 Wall Mount - Surface Wiring (Top Power Feed Only)



TRL Series

Installation Instructions



Installation:

- Fig. 1 Open the front cover
- Fig. 2 Install using J-box.
- Fig. 3 Install using conduit.
- Fig. 4 Wire diagram for photo sensor.
- Fig. 5 Wire diagram for wall switch
- Fig. 6 Assembly and quick connector.

Self-Test / Self-Diagnostic

After installation and AC power supplied to the fixture, the unit will automatically initiate a Self-Test/Self-Diagnostic as follows.

- (1) Verifies battery disconnection, charger failure, transformer failure at every 5 seconds.
- (2) One-minute Self-Testing (battery discharging test) every month.
- (3) 30 minutes Self-Testing (battery discharging test) on the 6th month of the year.

Dual color LED lamp shows the following status:

- (1) Green color (Operating Status) On/Ready
Blinking: Testing
- (2) Red color (Service Alert)
- (3) Service Alert LED Code (Red color LED lamp)

●	One blink ON/pause	(4 seconds)	Battery is not connected
●●	Two blinks On/pause	(4 seconds)	Battery is shorted or battery voltage drops below acceptable value.
●●●	Three blinks ON/pause	(4 seconds)	Charger board circuit fault
●●●●	Four blinks ON/pause	(4 seconds)	Transformer fault

For manual test, press test button as follows:

Press test button once	(within 2 seconds)	1 minutes test
Press test button twice	(within 2 seconds)	5 minutes test
Press test button 3 times	(within 2 seconds)	30 minutes test
Press test button 4 times	(within 2 seconds)	90 minutes test

IMPORTANT

After correcting a service alert fault, it is necessary to depress the test button for 2 seconds. Once released the LED indicator will be green if all faults have been corrected.

TRL Series

Installation Instructions

Installation:

- Fig. 1: Heater pad introduce
- Fig. 2: Installation battery to heater pad.
- Fig. 3: Installation heater pad.
- Fig. 4: 120V heater pad wiring diagram
- Fig. 5: 277V heater pad wiring diagram

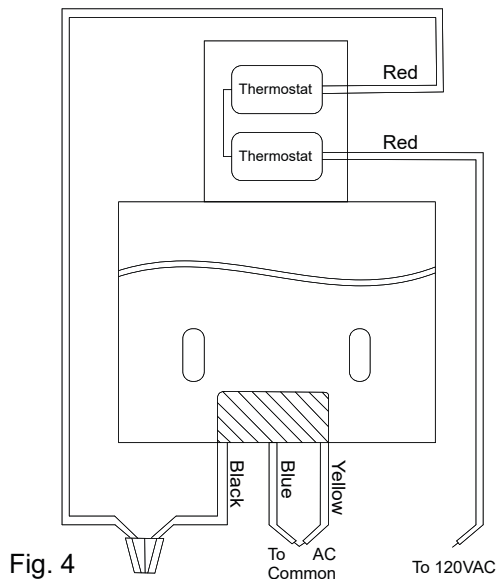
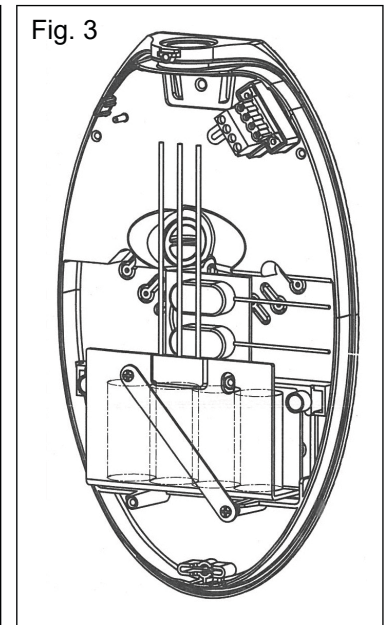
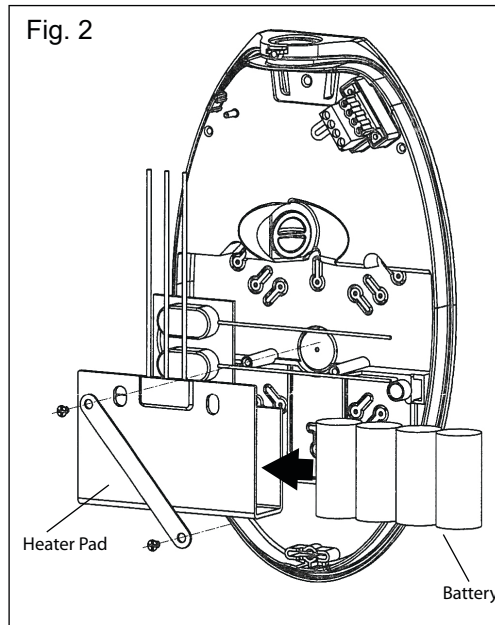
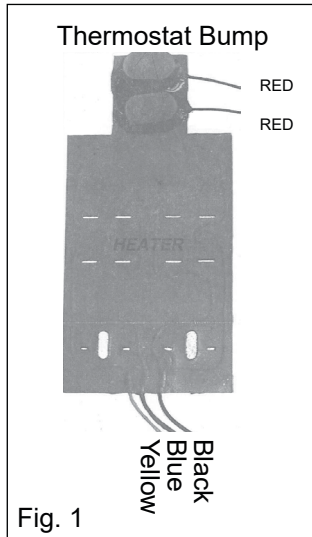


Fig. 4

120V Heater Wiring Diagram:

Heater Red ----> Heater Black
 Heater Red ----> 120V AC
 Heater Blue and Heater Yellow ----> Neutral

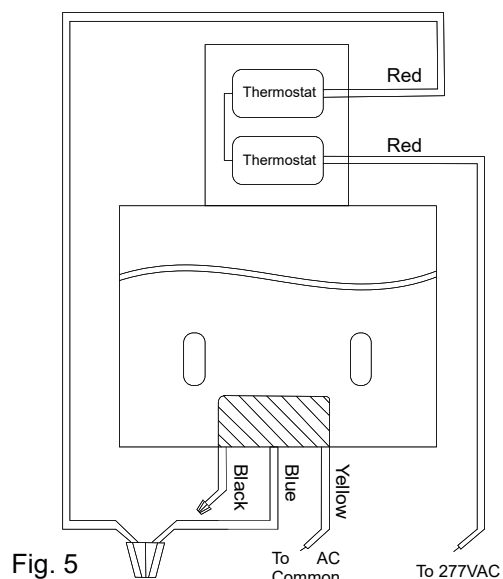


Fig. 5

277V Heater Wiring Diagram:

Heater Red ----> Heater Blue
 Heater Red ----> 277V AC
 Heater Black ----> Capped
 Heater Yellow ----> Neutral