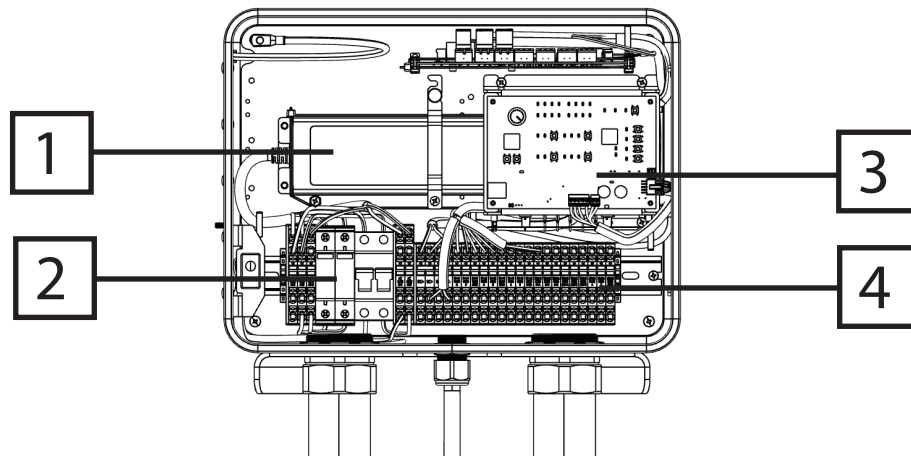


FTS 812(L) REIL/RTIL Installation Quick Start Guide

Each FTS 812(L) system includes two LED flashheads and one power converter/controller.

The PC 810(L) power converter has an integrated controller with on-board user interface



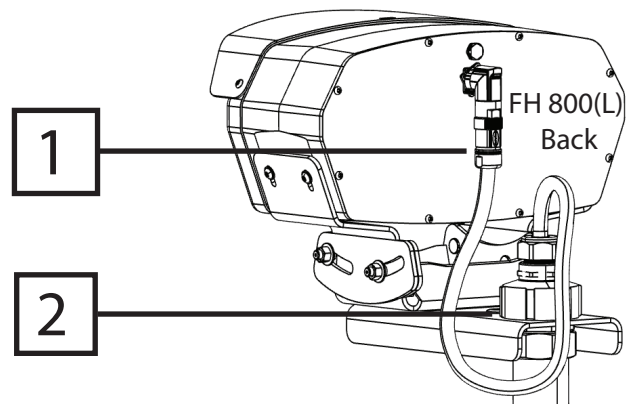
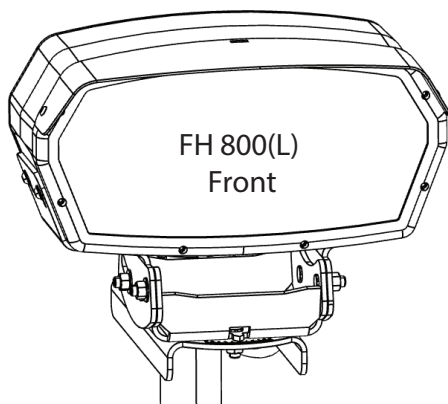
1 Power supply - Provides power to both LED flashheads (24VDC output), integrated controller and user interface board.

2 Input power and fuse block - Input voltage range of 120 - 240VAC (50/60Hz). Two 220V, 40kA fuses provide surge protection.

3 User interface board - Controls the operational parameters of the lighting system including; mode selection, alarms, flash rate and custom configurations.

4 Terminal block - Interface for remote user controls, the LED flashhead 24VDC power and RS-485 communications outputs. **Damage will occur if the DC polarity of the flashhead cable is reversed. Pay close attention to guides and labels.**

The FH 800(L) comes pre-installed on the remote-mount bracket assembly



1 Flashhead cable connection - Provided FH cable connects to the back of the FH 800(L). Use the twist lock connector to secure. Pay close attention to the cable labels before install to avoid delays and re-work.

2 Bubble level - Each system comes with one removable bubble level. Both bracket types include a circular cutout to hold the included level. Physically move the level to the fixture being installed.

Remote-mount Assembly Installation Steps

In this assembly, one LED flashead (FH 800(L)) is mounted to a bracket. A single cable will feed from this assembly to the co-mounted fixture. Ensure the installed height does not exceed 34".

Damage will occur if the DC polarity of the flashead cable is reversed. Pay close attention to guides and labels.



1. Prepare the entire installation surface and ensure EMT conduit is level. Full detail listed in the product manual (PN F7918000).

NOTE! The FH cable must be installed through the remote-mount bracket cable gland, then through the cable raceway to the PC. It is not possible to pass the FH cable twist-lock connector through the cable gland in the remote mounting bracket. If this order is not followed, then the cable will have to be pulled and re-installed in the correct manner.

2. Secure the remote-mount assembly to a single mounting pipe (1 x 2" OD).

NOTE! The previous mount can be re-used, if in appropriate condition. Use the included bubble level to ensure the fixture is level.

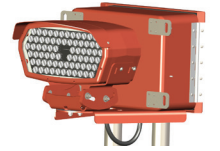
3. Connect the included FH cable to the back of the remote-mount LED FH. Use the twist-lock feature to secure.

4. Route the other cable end (loose cable) through the cable gland and reducer in the remote mounting bracket and through any conduit/raceway system to the PC 800(L). It is not recommended to leave the cable pigtail end exposed during installation.

5. Prepare the installation surface for the co-mount assembly.

Co-mount Assembly Installation Steps

In this assembly, one LED flashead (FH 800(L)) is mounted to a bracket that also holds one power converter/controller (PC 800(L)). Ensure the installed height does not exceed 34".



1. Secure the co-mount assembly and mounting hardware to mounting pipes (2 x 2" OD). Route the remote-mounted flashead cables up through the 2" conduit on the right side (as you face the door of the PC enclosure).

NOTE! The previous mounts can be re-used, if in appropriate condition. Use the included bubble level to ensure the fixture is level.

2. Cut the flashead cable to an appropriate length.

3. Install all wiring to the internal terminal block (TB1) of the PC. Including; incoming AC power, remote user connections and FH cable (power and RS-485). **Follow terminal block labels, internal info card and product manual to ensure system is wired properly.**

4. Aim each LED FH using the vertical and horizontal leveling guides provided on each assembly.

5. Ensure all connections are tight. Power the system ON and verify user settings and operation (local and remote).

6. After all steps are completed successfully, the installation is finished.

Call 1-800-821-5825 if additional TECHNICAL or INSTALLATION assistance is needed.
(Monday - Friday, 8a.m - 6p.m CST) | Email: flashsupport@spx.com