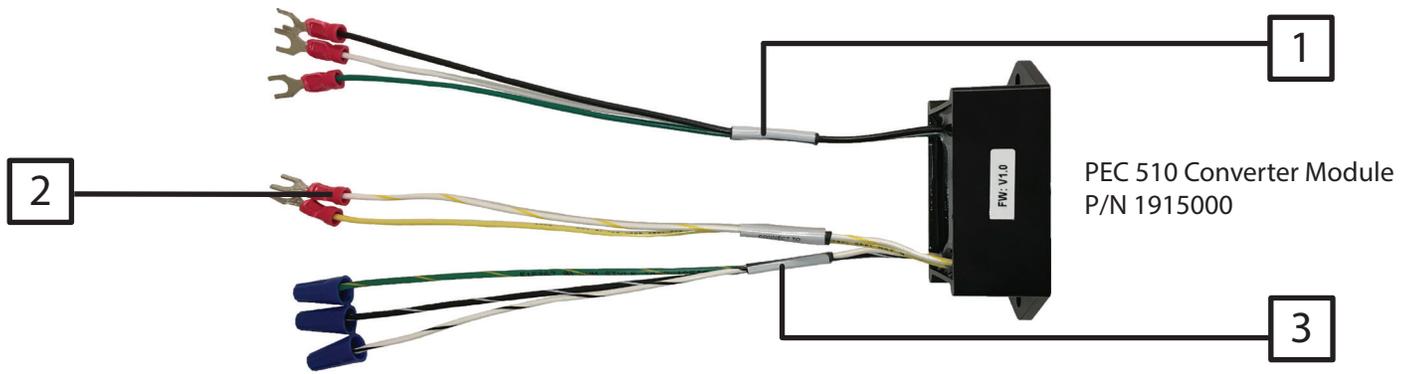


PHD 516 Photodiode Installation with Legacy Products

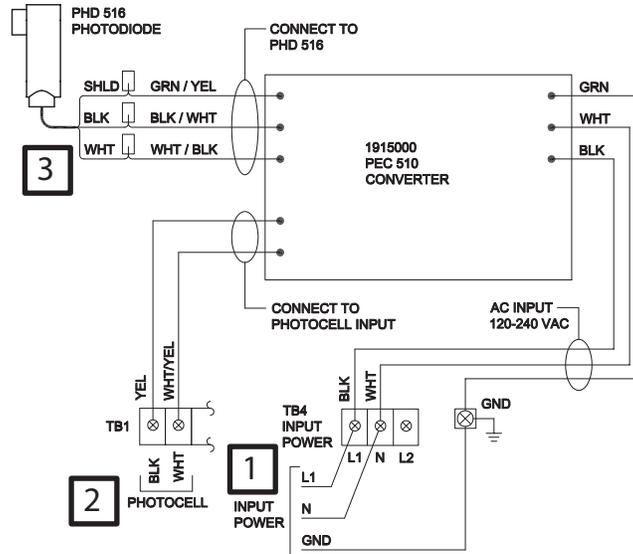


Overview:

The following instructions outline the procedure for replacing the obsolete PEC 510 Photocell, formerly used in legacy products, with the PEC 510 Converter module and the PHD 516 Photodiode.

- 1 AC Input (120-240 VAC)**
The WHT, BLK, and GRN wires will connect to the AC input terminal of the legacy equipment.
- 2 Photocell Input**
The YEL and WHT/YEL wires will connect to the photocell input of the legacy equipment.
- 3 Photodiode Connections (PHD 516)**
The WHT/BLK, BLK/WHT, and GRN/YEL wires will connect to the photodiode (PHD 516).

Typical wiring is shown in the figure below to a PC 3XX. Reference the table shown below for other legacy equipment.



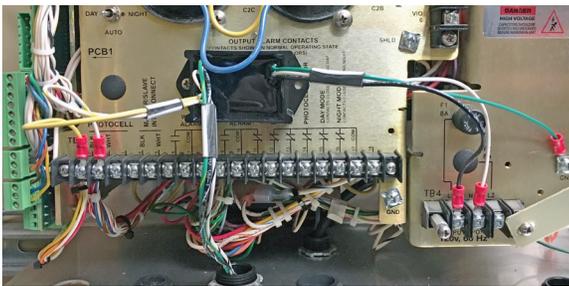
PEC 510 Converter Wire Connections

WIRE COLOR	PC 3XX	FTC 2201	FLC 36XX	FTC 121
YEL	TB1 Pin 1 - BLK	TB1 Pin 11 - BLK	PCB1 J4-BLK	TB2 Pin 1 - BLK
WHT/YEL	TB1 Pin 2 - WHT	TB1 Pin 12 - WHT	PCB1 J4-WHT	TB2 Pin 2 - WHT
BLK	TB4-L1	TB1-L1	TB1-L1	TB1-BLK
WHT	TB4-N	TB1-L2	TB1-L2	TB1-WHT
GRN	GND	TB1-GND	TB1-GND	TB1-GRN

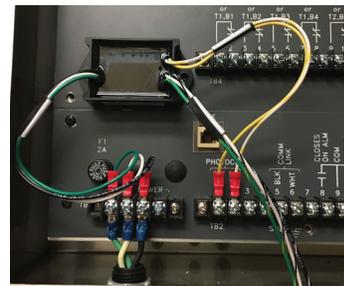
Installation Instructions

1. Turn the legacy equipment OFF and wait for a full power discharge. For a PEC 510 replacement disconnect and remove the old photocell. Use the supplied 1/2" NPT nipple to install the PHD 516 to the existing conduit.
2. Mount the PHD 516 and route it's cable into the legacy equipment.
3. Connect the PHD 516 wires to the PEC 510 Converter using the supplied wire nuts.
(SHIELD to GRN/YEL, BLK to BLK/WHT, and WHT to WHT/BLK)
4. Connect the YEL and WHT/YEL wires of the PEC 510 Converter to the photocell input of the legacy equipment.
(YEL to BLK and WHT/YEL to WHT)
5. Connect the BLK, WHT and GRN wires of the PEC 510 Converter to the AC input of the legacy equipment.
(BLK to L1, WHT to Neutral or L2, and GRN to Ground)
6. If desired, mount the PEC 510 Converter using the provided mounting screw or double-sided tape.

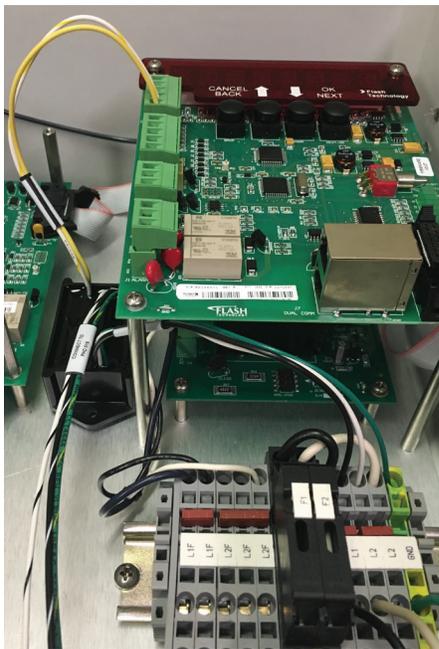
Typical mounting locations



PC 3XX



FTC 121



FLC 36XX



FTC 2201

NOTE! Remove the pre-installed lugs before terminating the wires.