**Occupancy Sensor Power Pack**

**Cat. No. OPP20-0D1 (Auto ON), OPP20-0D2 (Auto ON, Manual Switch), OPP20-RD3 (Auto ON, PhotoCell), OPP20-RD4 (Auto ON, Manual Switch, Local Switch, Photocell)**

**Load Ratings:**
- 20A, 2400W @ 120V – Incandescent
- 20A, 2400VA @ 120V – Fluorescent
- 1.2HP @ 120V – Motor Load
- 20A, 3000W @ 120V – 20A, 5540VA @ 277V – Fluorescent
- 1.6A, 440VAC @ 277V – Electronic Ballasts

**For use with OSCT, OXSwx, and OXVxDC Occupancy Sensors**

**INSTALLATION AND QUICK START GUIDE**

**WARNINGs AND CAUTIONs:**
- **AWoR| FHiC, ON OR DEATH. TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT POWER IS OFF BEFORE WIRING!**
- **The power pack wiring must be installed and commissioned in accordance with the manufacturer's instructions.**

**Power Pack:**
- **Power Input:** 120V – 277VAC @ 60Hz
- **Power Output:** 24VDC, 225mA
- **Input Voltage Tolerance:** 10%, Frequency Tolerance 6%
- **Output Voltage Tolerance:** 10%, Output Voltage listed at nominal

**APPLICATIONS:**
- **For use with** LEVITON OPP20 power packs for OSCT, OXSwx, and OXVxDC Occupancy Sensors.

**POWER INPUT:**
- **Class 2** wires are Teflon coated, for plenum applications.

**POWER OUTPUT:**
- **Class 2** wires are Teflon coated, for plenum applications.

**APPLICATIONS:**
- **Non-automated areas:** Local Switch (Yellow/Orange) to +24VDC. Only when the switch is turned ON again.
- **Automated areas:** Digital Photocells, Optional: Local Switch (Yellow/Orange) to +24VDC. Only when the switch is turned ON again.

**TROUBLE SHOOTING:**
- **Lights on after power outage**
  - This is the normal operation. The power pack has a failsafe feature which forces the relay to close in case of power failure. Five seconds after power ON, the device will monitor the inputs to ensure every function is operating correctly.

**In case of concern, please contact LEVITON Customer Service**

**OCCUPANCY SENSOR: Power Pack**

**WARNINGs AND CAUTIONs:**
- **Risk of Electric Shock – More than one disconnect switch may be required to de-energy the equipment before servicing.**

**Power Pack Wiring:**
- **When multiple power packs are used, they must be connected to the same source(s) of power.**
- **The power pack output voltage must be coded to match the line to line circuitry to safely operate.**

**INPUT CONNECTIONS:**
- **Maximum of 22 Gauge (0.60mm²) wires of two different power packs together to achieve more (>225mA) output.**
- **Connect the Black (return) wires of all power packs together.**
- **Connect the Red wires of the sensors to the Red wire (+24VDC) of the primary power pack.**
- **The primary power pack is the power pack switching the load. The secondary power packs can be used to supply power to the occupancy sensor, but not switch any load.**

**ADVANCED INPUT CONNeCTIONS:**
- **When more sensors are required than one power pack can supply, multiple power packs can be connected in a series or parallel configuration.**
- **The power pack(s) must be connected in parallel for power only. For sensor signals, see individual sensor’s manual.**

**POWER INPUT:**
- **120V @ 60Hz:** 7.2Watts, 79% Efficient
- **277VAC @ 60Hz:** 7.7Watts, 74% Efficient

**POWER CONSUMPTION:**
- **No Load:** 7.2Watts
- **Maximum Load:** 7.7Watts

**POWER INPUT AND EFFICIENCY:**
- **With maximum output load:**
  - **120VAC @ 60Hz:** 7.2Watts, 79% Efficient
  - **277VAC @ 60Hz:** 7.7Watts, 74% Efficient

**Power Pack Wiring:**
- **Line Voltage Wiring:**
  - **Remove** 5/8" (1.6 cm) of insulation from each conductor. Make sure that ends of conductors are not exposed to each other from power packs.
  - **Connect Set:** 4 terminal block system.
  - **Unit Wiring:** Wire each of the terminals by connecting the blue (occupied) input of the power pack.
  - **Dust wire for each terminal block system.**

**SELF TEST:**
- **When the power pack is turned on, all indicators will light up with the latching relay in the closed (ON) state.**
- **At power loss, the relay will revert to the OFF state.**

**MEMORY:**
- **Up to 100%:**
- **Up to 50%:**

**WIRING DIAGRAM:**
- **24VDC power supplies are protected by a current limiting relay.**

**INSTALLATION:**
- **Ensure that conductible etch area is located in corner of junction box.**
- **Reset** after power failure.