

## IMPORTANT SAFEGUARDS READ AND FOLLOW ALL SAFETY INSTRUCTIONS

### PRECAUTIONS

Read and understand all instructions before beginning installation.

**CAUTION:** RISK OF ELECTRICAL SHOCK.

Disconnect power before installing or servicing. Never wire energized electrical components.

**NOTICE:** For installation by a licensed electrician in accordance with National and/or local Electrical Codes and the following instructions.

**CAUTION:** USE COPPER CONDUCTOR ONLY.

Confirm device type and ratings are suitable for application prior to installation. Use of device in applications beyond its specified ratings or in applications other than its intended use may cause an unsafe condition and will void manufacturer's warranty.

Use only approved materials and components (i.e. wire nuts, electrical box, etc.) as appropriate for installation.

**NOTICE:** Do not install if product appears to be damaged.

## GARANTIES IMPORTANTES LISEZ ET SUIVEZ TOUTES LES CONSIGNES DE SÉCURITÉ

### PRÉCAUTIONS

Lisez et comprenez toutes les instructions avant de commencer l'installation.

**ATTENTION:** RISQUE DE CHOC ÉLECTRIQUE.

Débranchez l'alimentation avant l'installation ou l'entretien. Ne câblez jamais de composants électriques sous tension.

**AVIS:** Pour l'installation par un électricien agréé conformément aux codes électriques nationaux et/ou locaux et aux instructions suivantes.

**ATTENTION:** UTILISEZ UNIQUEMENT UN CONDUCTEUR EN CUIVRE.

Confirmez que le type et les caractéristiques de l'appareil conviennent à l'application avant l'installation. L'utilisation de l'appareil dans des applications au-delà de ses valeurs nominales spécifiées ou dans des applications autres que son utilisation prévue peut entraîner des conditions dangereuses et annulera la garantie du fabricant.

Utilisez uniquement des matériaux et des composants approuvés (c'est-à-dire des serre-fils, un boîtier électrique, etc.) appropriés pour l'installation.

**AVIS:** Ne pas installer si le produit semble être endommagé.

**SAVE THESE INSTRUCTIONS AND PROVIDE TO OWNER AFTER INSTALLATION IS COMPLETED**

## DESCRIPTION

The Universal Voltage Power Pack + (UVPPHD+) is a self-contained transformer and relay designed for use with low voltage 24VDC occupancy sensors and low voltage momentary switches. The power pack has two different operating modes – Auto On/Auto Off, and Manual On/Auto Off. Operating mode is determined by switch position, with switch located on the side of the power pack. A single power pack can power up to (6) low voltage sensors in the Current portfolio.

## CONSTRUCTION

- Housing: Rugged injection molded plastic, UL 94-5VA flame class rating
- Color: Black
- Weight: 5.62oz (159.3g)
- Dimensions: 4.0" (101.60mm) L x 3.4" (86.36mm) W x 1.73" (43.94mm) H

## MOUNTING

- Mounts directly to an external junction box through a 1/2" threaded chase nipple

## ELECTRICAL

### Input

- 100-347 V~ 50/60 Hz

### Output

- 20A, Ballast, Incandescent
- 16A, Electronic Ballast
- 1HP @120VAC, 1HP @240/347VAC

## ELECTRICAL (CONTINUED)

### Low Voltage Output:

- 24VDC; 250mA nominal, isolated, and regulated

## OPERATING ENVIRONMENT

- Rated for indoor use only
- Operating Temperature: -40°F to 149°F (-40°C to 65°C); Below 32°F (0°C) must use suitable rated non-metallic enclosure
- Relative humidity (non-condensing) 0% to 90%

## CERTIFICATIONS

- cULus Listed
- UL2043 Plenum Rated

## WARRANTY

- 5-year limited warranty
- See website for additional information

## INSTALLATION

1. Turn power OFF at the service panel.
2. Use a suitable UL approved junction box that provides NEC required space for all enclosed conductors.
3. Use 1/2" conduit locknut for mounting outside junction box or #6-32 pan head screws for mounting inside junction box.
4. Connect the unit to the circuit as shown in the below wiring diagram (Fig. 1).

NOTE: Max length of #18-22 AWG wire between the power pack and associated sensor(s) should not exceed 200ft.

### 5a. Automatic ON (Occupancy Mode) Configuration and Operation:

The device is factory configured to operate in automatic ON mode, with switch on side of unit in "Auto ON" mode. Connect red, black, and blue low voltage wires to corresponding wires from sensor(s) (max of 6 low voltage sensors per pack). If a low voltage momentary switch is being used for manual override, connect the orange wire to the low voltage momentary switch. The momentary switch (ordered separately) needs to be connected between the orange momentary switch input wire and the red +24VDC wire.

The load will turn ON automatically when motion is detected and will turn OFF when sensors time out.

Pressing the manual switch while the load is ON turns the load OFF and holds it OFF while sensor(s) are occupied. After sensor(s) stop sensing motion and time out, load will stay off but will revert back to auto ON operation.

### 5b. Manual ON (Vacancy Mode) Configuration and Operation:

Configure the device for manual ON operation by putting switch on side of unit into "Manual On" mode. Connect red, black, and blue low voltage wires to corresponding wires from low voltage sensor(s) (max of 6 low voltage sensors per pack). Connect the orange wire to a momentary low voltage switch. The momentary switch (ordered separately) needs to be connected between the orange momentary switch input wire and the red +24VDC wire.

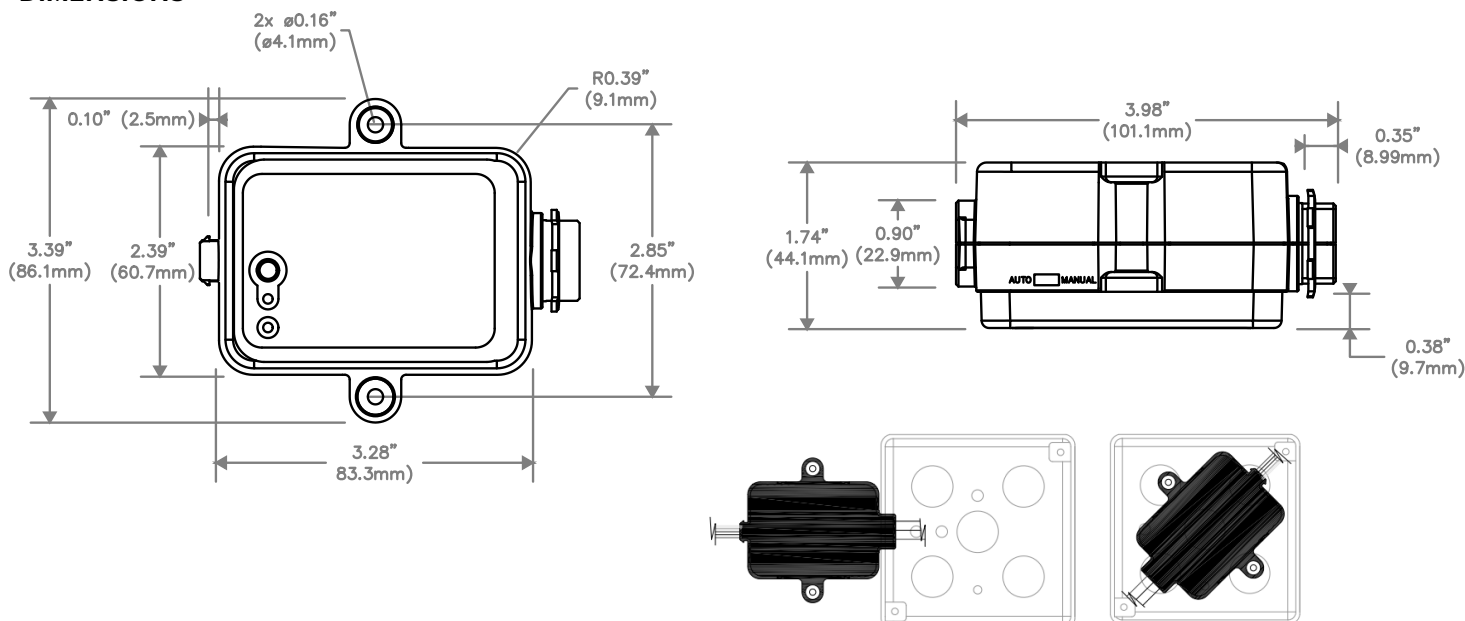
Turn the connected load ON manually by pressing the momentary switch.

If the load turns OFF automatically, it can be turned back on without pressing the momentary switch if motion is detected within 30 seconds.

Pressing the manual switch while the load is ON turns the load OFF regardless of sensor status.

6. After installation of power pack is complete, turn power ON at service panel.

## DIMENSIONS



## WIRING DIAGRAM

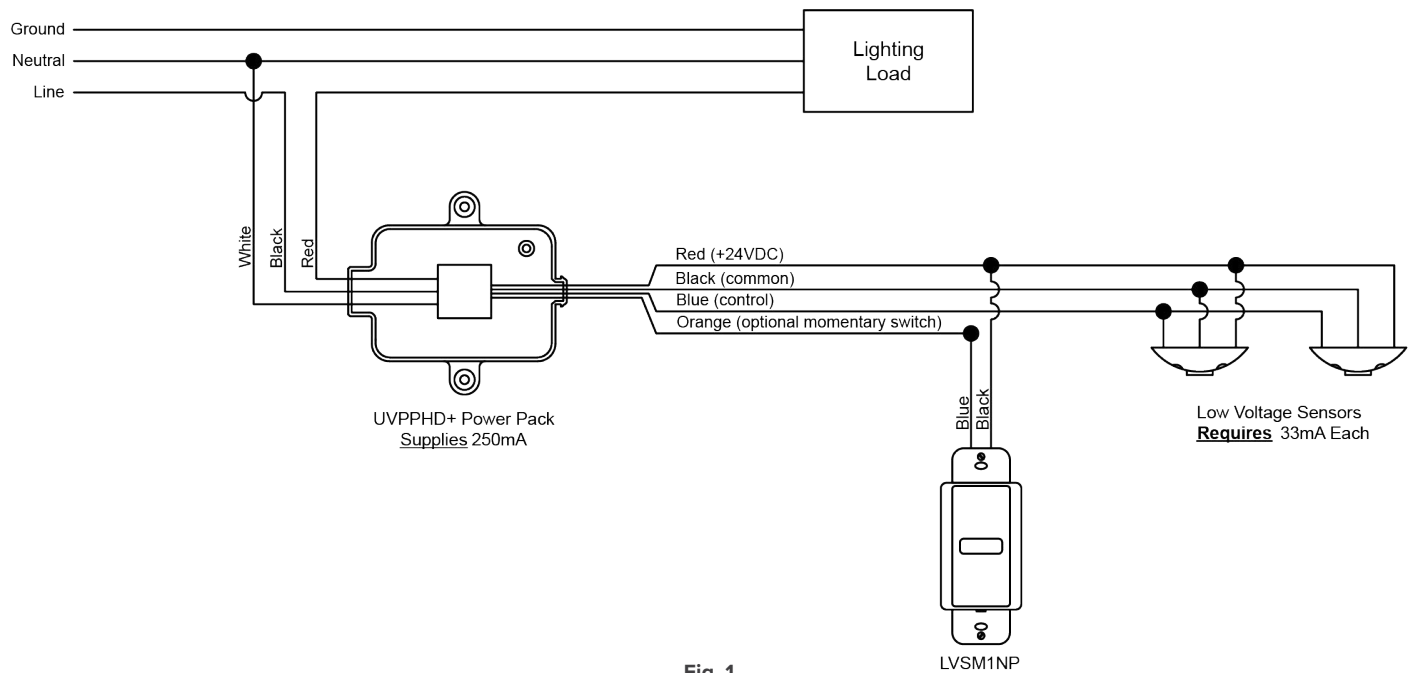


Fig. 1

UVPPHD+ with Multiple Sensors and a Low Voltage Momentary Switch

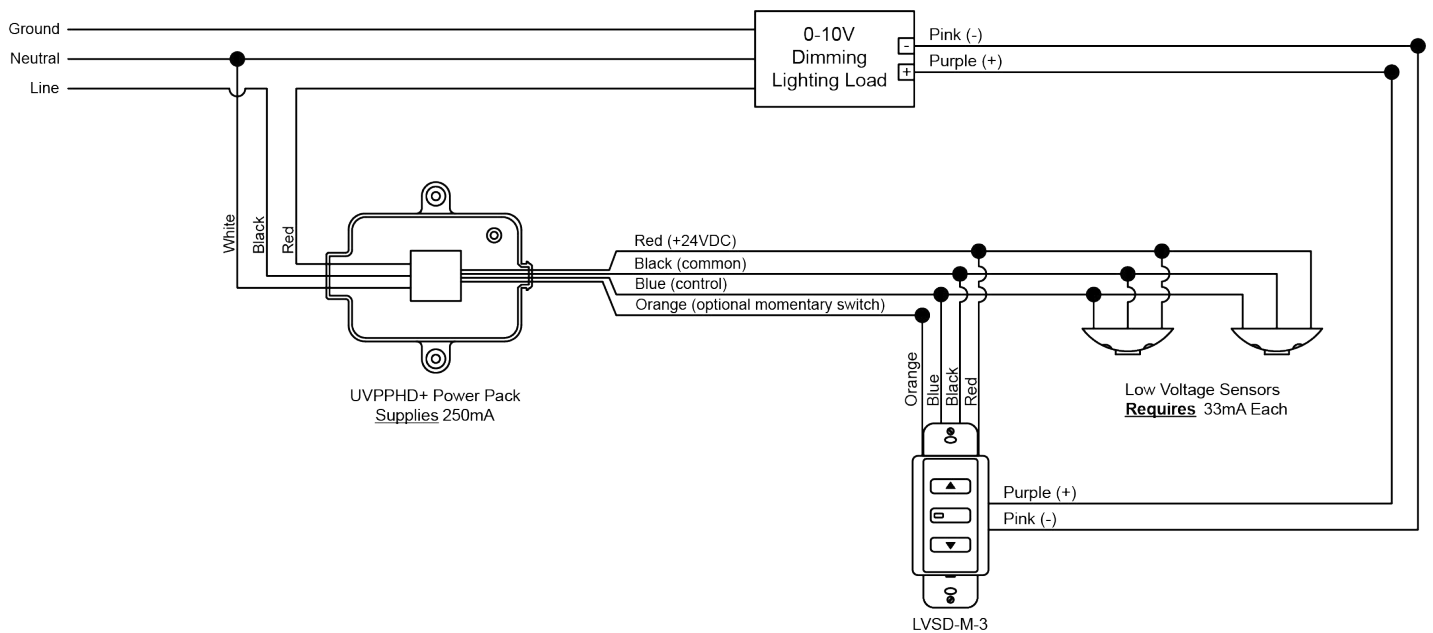
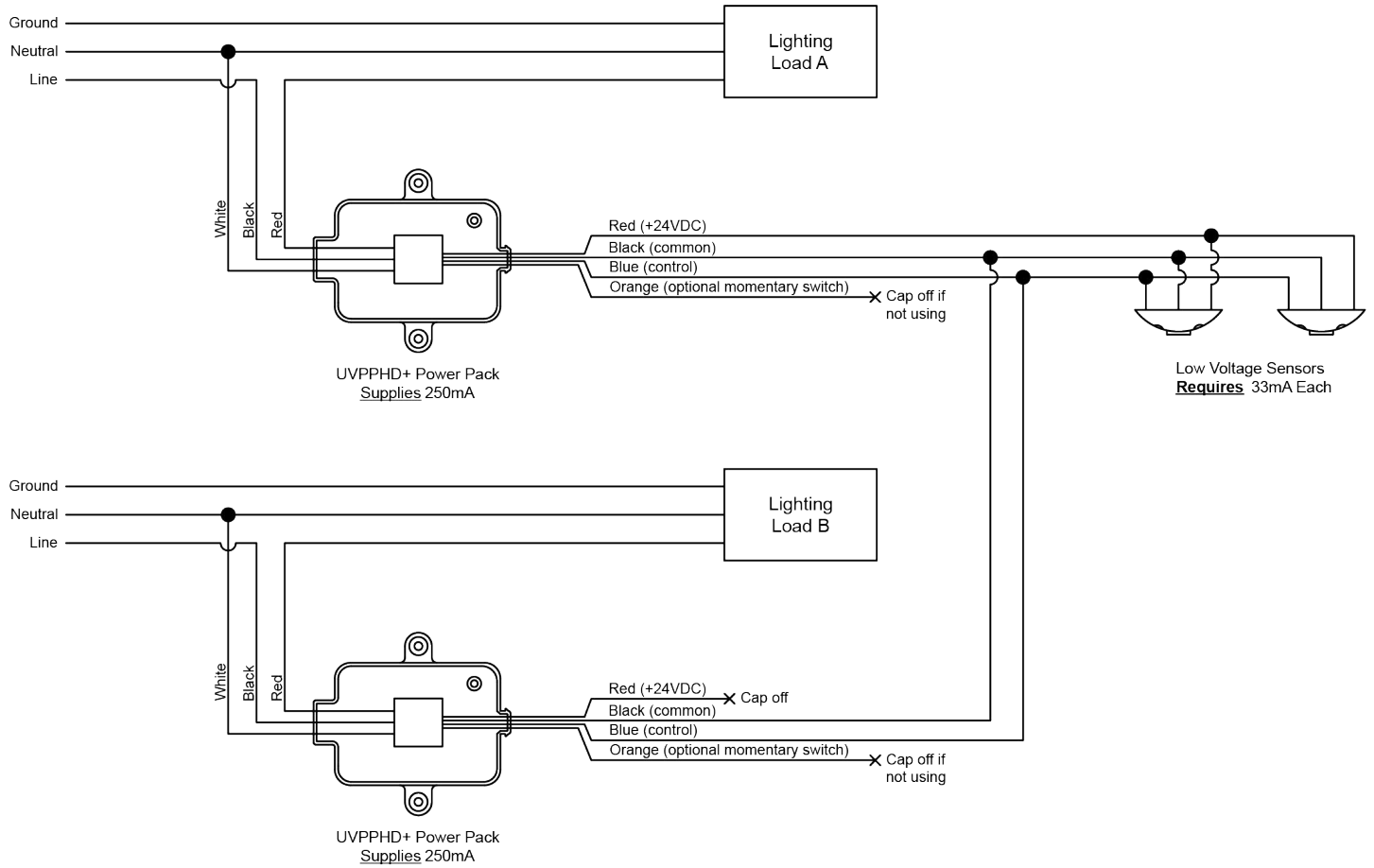


Fig. 2

UVPPHD+ with Multiple Sensors and a Low Voltage 0-10V Dimming Momentary Switch

## WIRING DIAGRAM (CONTINUED)



**Fig. 3**  
Connecting More Than One  
UVPPHD+ Power Pack