sensorswitch®

# sPODM


## SWITCHPOD • SENSOR INTERFACE SWITCH • MANUAL/AUTO ON • LOW VOLTAGE • PUSH-BUTTON

## SPECIFICATIONS

### FEATURES

Enables Standard Occupancy Sensors to be used for Manual On Operation
Alternative Usage as Override Switch for Auto-On Applicaitons
Single Gang Decorator Style w/ either 1 or 2 On/Off Switches
Soft-Click Push-Buttons
Programmable w/o Removing Switch Plate
Optional Dual Manual On Operation
Optional 3-Way Operation
Optional 0-10 VDC Dimming Control

### PHYSICAL SPECS

SIZE (not including ground strap)
2.74" H x 1.68" W x 1.63" D
(6.96 cm x 4.27 cm x 4.14 cm)
WEIGHT 2 oz
MOUNTING Single Gang Switch Box or Low Voltage Ring
COLOR White, Ivory, Gray, & Lt. Almond

### ELECTRICAL SPECS

OPERATING VOLTAGE
12-24 VAC/VDC
CURRENT 5 mA
DIMMING LOAD
Sinks < 20mA;
~40 Ballasts @ .5mA each
WIRES (all 20 AWG)
sPODM (SA): 4
sPODM 2P (2SA): 6
sPODM (SA) 3X: 6
sPODM (SA) D: 5
sPODM (SA) 3X D: 7
RECOMMENDED POWER PACK
PP20

### ENVIRONMENTAL SPECS

OPERATING TEMP
14° to 160° F (-10° to 71° C)
RELATIVE HUMIDITY
20 to 90% non-condensing

### OTHER

Class 2 Low Voltage
Title 24 Compliant
5 Year Warranty
Assembled in the U.S.A.

The Push-Button SwitchPod (sPODM) Series of low voltage wall stations interface with standard Sensor Switch occupancy sensors and power packs in order to implement a wide range of single and bi-level switching applications. These switch devices provide an elegant and cost effective way of deploying bi-level lighting control that meet energy and building codes without having to source special sensors or power packs.

Commonly required by building codes (such as California Title 24), bi-level lighting control is an easy and convenient method of delivering extra energy savings without inconveniencing the occupants. The most common bi-level configuration requires one lighting load to be switched on automatically when occupancy is detected by an occupancy sensor, while a second lighting load can be turned on manually by the occupant if desired. Both loads can then be turned off manually or via the occupancy sensor timing out. Sensors with photocells can also be configured with SwitchPods in order to add override off capabilities.

SwitchPods are all single gang decorator style devices available as single or dual switch units. Versions are also available that work in 3-way applications and/or have a 0-10 VDC dimming output. Units defaulted to dual manual-on operation are also available. For digital solutions to bi-level lighting applications, nLight-enabled wall stations (WallPods), power packs, and sensors are necessary.

## OPTIONS

### MULTIWAY INTERFACE (3X)

- Interfaces w/ other units for 3-way or additional configurations
- Only available on single on/off version

### DIMMING (D)

- Enables user control of 0-10 VDC dimmable ballasts

### COLOR (must be specified)

- White, Ivory, Gray, Light Almond
- Wall plate provided

### LOW TEMP/HIGH HUMIDITY (LT)

- Device electronics are coated for corrosion resistance
- Operates down to -40° F/C

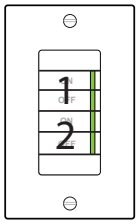
### OPERATION / WIRING INFORMATION

**STANDARD** (SPODM / SPODM SA)
RED - Power (12-24 VAC/VDC)
BLACK - Common
WHITE - Occupancy Sensor Input
WHITE w/ BLUE STRIPE - Output to Relay
**note:** Default output functionality (Manual On vs. Auto-On) is determined by model number, but re-configurable using push-button sequence

**3-WAY OPTION** (3X OPTION)
YELLOW - Remote Switch I/O
YELLOW w/ BLACK STRIPE - Remote Switch I/O

**DIMMING OPTION** (D OPTION)
VIOLET - 0-10 VDC Output (wire to VIOLET on 0-10 VDC dimmable ballast)

**2P OPTION** (SPODM 2P / SPODM 2P 2SA)
WHITE - Pole 1 Occupancy Sensor Input
WHITE w/ BLUE STRIPE - Pole 1 Output to Relay
BLUE - Pole 2 Occupancy Sensor Input
BLUE w/ WHITE STRIPE - Pole 2 Output to Relay
**note:** Default output functionality (Manual On vs. Auto-On) is determined by model number, but re-configurable using push-button sequence




**2P BUTTONS CONTROLS**
- top two buttons always control the Pole 1 Output
- bottom two buttons always control the Pole 2 Output

## ORDERING INFO

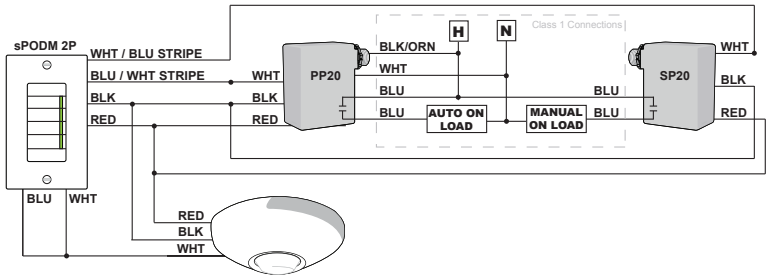
**sPODM [# OF SWITCHES/DEFAULT ON OPER.] [3-WAY]* [DIMMING]* [COLOR] [TEMP/HUMIDTY]**

| # OF SWITCHES/DEFAULT ON OPER. | 3-WAY* | DIMMING* | COLOR | TEMP/HUMIDTY |
|---|---|---|---|---|
| Blank = 1 Switch / Auto-On) | Blank = None | Blank = None | WH = White | Blank = Standard |
| SA = 1 Switch / Manual On) | 3X = 3-Way | D = Dimming Operation | IV = Ivory | LT = Low Temp |
| 2P = 2 Switches (Pole 1 Manual / Pole 2 Auto) | | | GY = Gray | |
| 2P 2SA = 2 Switches (Both Poles Manual) | | | AL = Light Almond | |

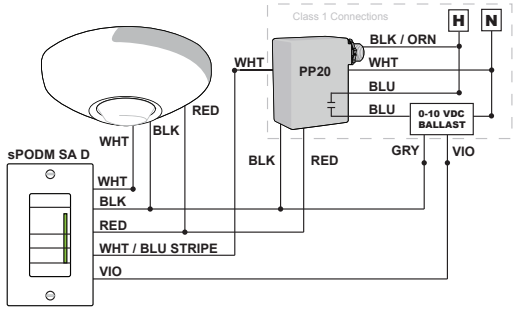
*Not available with 2 switch (2P) versions

# TYPICAL CONFIGURATIONS (note: 3 conductor 18AWG wire is recommended for all wiring)

### BI-LEVEL (MANUAL ON / AUTO ON) SOLUTION w/ OCCUPANCY SENSOR: 1 GANG

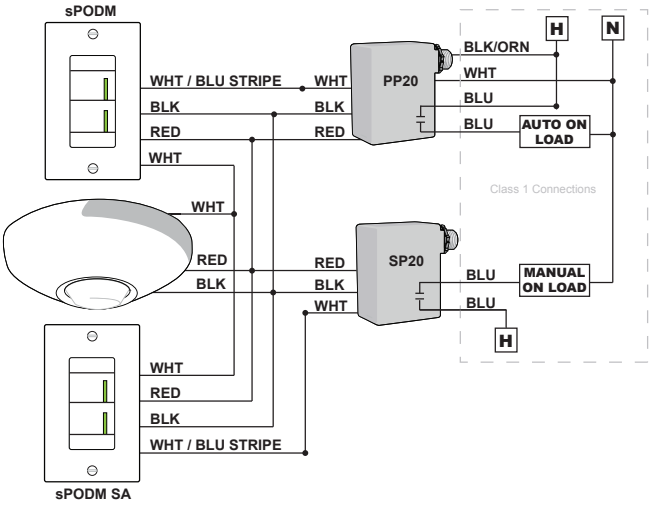



### MANUAL ON w/ DIMMING & OCCUPANCY SENSOR

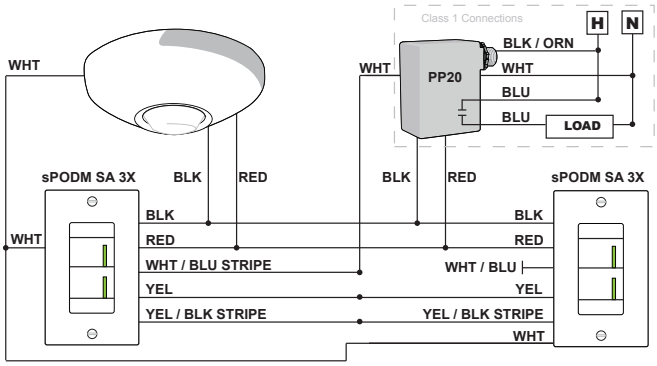



**Note:** If sensor also has dimming output, connect sensor VIO wire to SPODM and ballast VIO wire. Lowest output level always takes precedence.

### BI-LEVEL (AUTO-ON / MANUAL ON) SOLUTION w/ OCCUPANCY SENSOR: 2 GANG




### 3-WAY MANUAL ON SOLUTION w/ OCCUPANCY SENSOR




**Note:** SPODM (SA) 3X D units should only be used in 3-way applications with SPODM (SA) 3X units (non-dimming) as dimming levels are not communicated between devices.

# PROGRAMMING INSTRUCTIONS (PLEASE READ ALL 7 STEPS BEFORE PROGRAMMING)

1. Enter programming mode by pressing & holding upper most button until LED flashes rapidly. Release button.
2. Enter the *On Mode* function by pressing button twice.
3. The current *On Mode* setting will then be fed out in a sequence of LED flashes as indicated in the table below (e.g., one flash for Auto-On). To change the setting, proceed to step 4 before sequence repeats 10 times.
4. At any time while the switch is flashing back the current *On Mode* setting, interrupt it by pressing button the number of times for the new desired *On Mode* setting as indicated in the table below (e.g., press twice for Manual On). Switch will begin to flash back new setting as confirmation.
5. Next, while the switch is flashing back new setting, interrupt it by pressing and holding button until LED flashes rapidly. Release button.
6. As final confirmation and activation of the new setting, press button two times.
7. LED will flash twice indicating acceptance of new setting. If two flashes are not seen, repeat 7 step process.

Note: To exit programming mode without saving, wait for blink back sequence to repeat 10 times then return to step 1.

| Function Number | Function Name | Settings (*indicates default setting) | | |
|---|---|---|---|---|
| | | Setting Number | Pole 1 | Pole 2 (2P devices only) |
| 2 | On Mode | 1 | Auto-On | Manual On |
| | | 2 | Manaul On | Auto-On |
| | | 3 (2P devices only) | Manual On | Manual On |
| | | 4 (2P devices only) | Auto-On | Auto-On |





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