



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 Applications
- 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 Multi-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, & Black

ELECTRICAL SPECS

- OPERATING VOLTAGE: 12-24 VAC/VDC
- CURRENT: 5 mA
- DIMMING LOAD: Sinks < 20mA; ~40 Ballasts/Drivers @ .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 System Device
- 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 multi-way (e.g. 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 for bi-level lighting applications, nLight-enabled wall stations (WallPods), power packs, and sensors are necessary.

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

MULTI-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 or driver)

OPTIONS

MULTIWAY INTERFACE (3X)

- Interfaces w/ other units for multi-way configurations (i.e., 3-way, 4-way, etc.)
- Not available with -2P option

DIMMING (D)

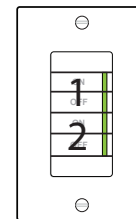
- Enables user control of 0-10 VDC dimmable ballasts/drivers

COLOR (must be specified)

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

LOW TEMP/HIGH HUMIDITY (LT)

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



2P BUTTONS CONTROLS

- top two buttons always control the Pole 1 Output
- bottom two buttons always control the Pole 2 Output

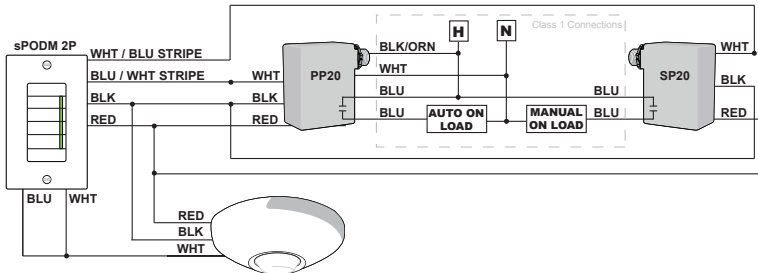
ORDERING INFO sPODM [# OF SWITCHES/DEFAULT ON OPER.] [MULTI-WAY]* [DIMMING]* [COLOR] [TEMP/HUMIDTY]

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

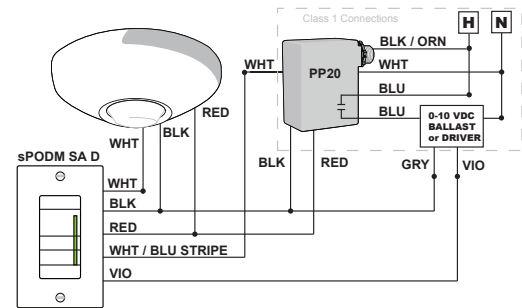
*Not available with 2 switch (2P) versions

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

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

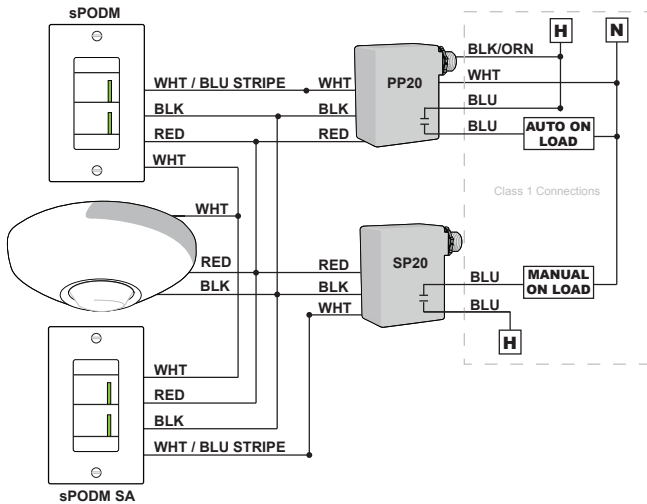


MANUAL ON w/ DIMMING & OCCUPANCY SENSOR

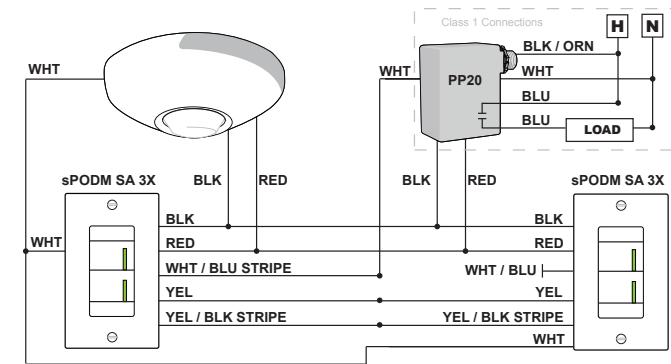


Note: If sensor also has dimming output (e.g., CM 9 ADC), connect sensor VIO wire to SPODM and ballast/driver VIO wire. Lowest output level always takes precedence.

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



3-WAY MANUAL ON SOLUTION w/ OCCUPANCY SENSOR



Note 1: SPODM (SA) 3X D units should only be used in multi-way applications with SPODM (SA) 3X units (non-dimming) as dimming levels are not communicated between devices.
Note 2: For multi-way configurations greater than two units, connect additional unit(s) in same manner as bottom right SPODM SA 3X unit in diagram above.

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 (see ordering block for defaults)		
		Setting Number	Pole 1	Pole 2 (2P devices only)
2	On Mode	1	Auto-On	Manual On
		2	Manual On	Auto-On
		3 (2P devices only)	Manual On	Manual On
		4 (2P devices only)	Auto-On	Auto-On



WARRANTY: Sensor Switch warrants these products to be free of defects in manufacture and workmanship for a period of 60 months. Sensor Switch upon prompt notice of such defect, will, at its option, provide a Returned Material Authorization number and repair or replace returned product.
LIMITATIONS AND EXCLUSIONS: This Warranty is in full lieu of all other representation and expressed and implied warranties (including the implied warranties of merchantability and fitness for use) and under no circumstances shall Sensor Switch be liable for any incidental or consequential property damages or losses.

TS-SPOD-002B