

MULTI-WAY (MWO)

FAQs



Why are 3-way or 4-way devices called multi-way or MWO in SensorSwitch™ literature?

Multi-way describes the system’s capability and the competitive advantage SensorSwitch brings to the market. Multi-way devices allow up to 9 devices on the same traveler. Multi-way devices are also multi-load capable, whereas additional loads can be attached to each switch, expanding the overall load network. These leading benefits are unparalleled. Traditional 3-way, 4-way plus, makes our MWO product line multi-way without the use of remote devices.

Can MWO devices be used with a 3-way toggle switch?

No, the traveler wire in MWO is a simplified communication bus. Actual data is transferred between devices.

May I use existing wiring to connect my MWO device?

Yes, the traveler bus is a class 1 rated wire.

Are there any wiring limitations to multi-way bus?

Yes, the total separation allowed is 250ft.

May I mix and match SPODMRA MWO, SPODMRA MWO D and WSXA MWO and WSXA MWO D on the same bus?

Yes, the traveling bus is based on a hierarchical functionality - please see below.

PRIMARY FUNCTION CONNECTED LOAD RESPONSE	SPODMRA ON/OFF (COMING SOON)	SPODMRA MWO D	WSXA MWO	WSX MWO D
ON/OFF	Unison Response	Unison Response	Unison Response	Unison Response
DIMMING	Ignored	Unison Response	Ignored	Unison Response
OCCUPANCY STATE	Responds (attached load turns ON/OFF) to occupancy from WSXA MWO	Responds (attached load turns ON/OFF) to occupancy from WSXA MWO	Attached Load Turns Off	Attached Load Turns Off

SECONDARY FUNCTION CONNECTED LOAD RESPONSE	SPODMRA ON/OFF (COMING SOON)	SPODMRA MWO D	WSXA MWO	WSX MWO D
TRIM SETTING	N/A	Act in Unison	N/A	Act in Unison
TIME CLOCK*	Attached Load ‘Only’	Attached Load ‘Only’	Ignored	Ignored

May I use MWO for standalone operation?

Yes, MWO devices may be used for standalone operation. Just cut and cap the red traveler bus wire. By using MWO solely, your number variations on the job site or stock are reduced.

What is the difference between “Manual On” SA and “Vacancy” VA operating modes?

The out of box operation are identical between SA and VA; however, SA can be changed to auto on via push button or VLP.

*Time Clock refers to Operational Setting 2 (Time Out Delay) on the SPODMRA Installation Instructions and is available for standalone applications only.