



GE PROSEO Flex Keypad, Button and Motion Dimmers (CSWDMxxxxx/MSWF)

BOX CONTENTS

- (1) PROSEO Flex Keypad/Button Motion Dimmer
- (1) Faceplate
- (8) Wire Nuts
- (4) Screws
- (2) Labels
- (1) 14 AWG Jumper Wire
- (1) Installation Guide
- (1) Quick Reference Guide (this document)
- (1) Product Information Regulatory Statement

SPECIFICATIONS

Product SKUS	
Motion Button Dimmer	CSWDMOCK3T1/MSWF
Button Dimmer Switch	CSWDMBLK3T1/MSWF
Keypad Dimmer Switch	CSWDMBLK5T1/MSWF
Paddle Dimmer Switch	CSWDMBLPT1/MSWF

Environmental	
Temperature	32° to 104° F (0° to 40° C)
Humidity	Up to 88% Relative Humidity (non-condensing)
Location	Indoor Use Only
Environment	Dry
IP Rating	IP20

Dimensions and Weights				
	Height	Width	Depth	Weight
CSWDMOCK3T1/MSWF	4.13 in (105 mm)	1.73 in (44 mm)	1.53 in. (39 mm)	0.214 lbs (97 g)
CSWDMBLK3T1/MSWF	4.13 in (105 mm)	1.73 in (44 mm)	1.49 in. (38 mm)	0.211 lbs (96 g)
CSWDMBLK5T1/MSWF	4.13 in (105 mm)	1.73 in (44 mm)	1.49 in. (38 mm)	0.207 lbs (94 g)
CSWDMBLPT1/MSWF	4.13 in (105 mm)	1.73 in (44 mm)	1.61 in. (41 mm)	0.220 lbs (100 g)
Faceplate	0.26 in (118 mm)	0.16 in (74 mm)	0.15 in (7.15 mm)	0.07 lbs (32 g)

Supported Load Types	
Standard Configuration	Incandescent, Electronic Low Voltage, Dimmable CFL, Dimmable LED (minimum load size = 5 watts)

Recommended Back Box Depth	
Requires a standard U.S. electrical back box.	
- Recommended - 3.5 in (8.89 cm) deep	
- Minimum 2.25 in (5.72 cm) deep	

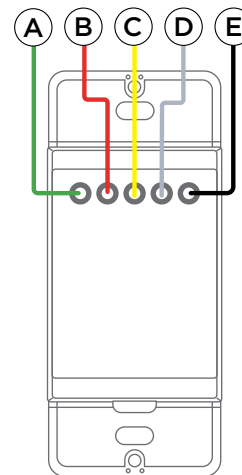
Power	
Input	120V AC at 60 Hz
Maximum Load Wattage	LED: 150W Halogen/Incandescent: 450W
Rated Impulse Voltage	2500V
Minimum Dimming Load	5W

Regulatory		
Safety and Emissions	47 CFR Part15, Subpart C, FCC Part 15 Class B	ETL
		 UL1472
CSWDMOCK3T1/MSWF and CSWDMBLK3T1/MSWF	FCC ID: PUU-CSWDMXXK3T1 IC: 10798A-CSWDMXXK3T1	
CSWDMBLK5T1/MSWF	FCC ID: PUU-CSWDMBLK5T1 IC: 10798A-CSWDMBLK5T1	
CSWDMBLPT1/MSWF	FCC ID: PUU-CSWDMBLPT1 IC: 10798A-CSWDMBLPT1	

Standards	
Wi-Fi	802.11 a/b/g/n (2.4GHz)
Minimum Supported Release	
SavantOS 11.2	

HARDWARE OVERVIEW

Rear Panel



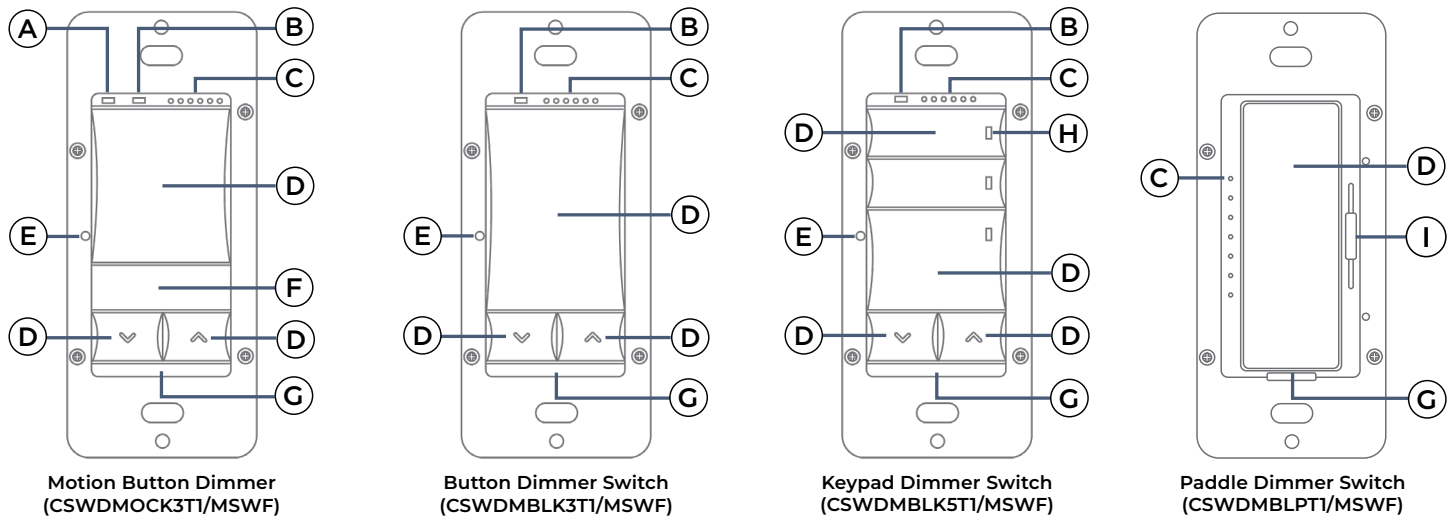
- A** Green Ground - Wire to Gnd.
- B** Red Load -Wire to one side of the load.
- C** Yellow Traveler (TRV) - Wire to one or more Auxiliary Controls for multi-location control.
- D** White Neutral - Return path for voltage.
- E** Black Line - Wire to hot from the AC power source.

Wires are all a five inch #16 AWG stranded wire.

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HARDWARE OVERVIEW

Front Panel



Ambient Light Sensor - Detects the ambient light level in the room and adjusts the brightness of both the button LEDs and the LEDs in the array on the front panel.

- As the room brightens, the LED's brightness increases.
- As the room dims, the LED's brightness decreases.

The sensor is enabled and disabled from within **Blueprint's Lighting and Shade Device Manager**.

- B Status Indicator** - One RGB LED. See LED SEQUENCING.

LED Array - These six LEDs on the front panel can indicate any of the following:

- The amount of power applied to the load. The LED's light from left to right as powered is increased and switch off from right to left as power is decreased.
- The amount of power applied to the load for any scenes created in Blueprint.
- The status of the keypad during the setup and provisioning process. See the LED SEQUENCING section.

- D Programmable Button** - The following actions can be programmed to this button: Savant Scene, Dimmer ,On, Off, Toggle, Last Level, Timed, Momentary, Raise, Lower, On Raise, Off Lower, Daylight On, Daylight Toggle Daylight Toggle with Off, Shades, Control

Reboot - Reboot by pressing the pinhole. (No settings are changed or lost but will power cycle the device and load.)

- E Factory Reset** - Press and hold the reset button for 3 seconds to factory reset. Factory resetting the switch will clear Wi-Fi settings and return the device to provisioning mode.

NOTE: The GE PROSEO Flex Paddle Dimmer Switch does not have a pinhole. See **Paddle Dimmer Switch Reset**.

PIR Lens

- 160 degrees wide, up to 35 feet with adjustable sensitivity (High, Med, Low).
- Used for occupancy (activation) or vacancy (Motion timeout default duration is for this setting is 30 seconds.)
- PIRS lens is automatically deactivated when commands are received from the host or buttons are pressed on the dimmer for this duration. Adjustments to motion settings can be done in the **Blueprint Lighting and Shade Device Manager**.

- G Service Switch** - Pull the service switch outward to disconnect power from the keypad. Push the service switch to apply power. When changing a load, Savant recommends pulling the service switch to off, replacing the load, and then pushing the service switch back on.

- H Button LED** - When provisioned to a network, but not configured or bound to a Savant system, the button LEDs track the state of the output load wire (red wire). When configured and bound to a Savant system, the state of the button LED is defined by the selection made in the LED Behavior field of **Blueprint's Lighting and Shades Device Manager**.

Dimmer Slider - Adjusts programmed brightness.

- I NOTE:** Brightness level adjustment made with the dimmer slider will be reset to the configured Savant app settings when switch is turned off. Brightness level may be changed via Savant app at anytime. This will not affect the dimmer slider's physical location on the switch.

Paddle Dimmer Switch Reset

Press and hold the paddle button for 15 seconds then release.



ELECTRICIAN REMOVAL/INSTALLATION

Below is an overview of the installation process for GE PROSEO Keypad, Button and Motion Dimmers. For full instructions, see the **GE PROSEO Flex Keypads, Switches and Dimmers Installation Guide** available on the **Savant Community**.

ELECTRIC SHOCK! The 120V AC, 60 Hz source power poses an electrical shock hazard that has the potential to cause serious injury to installers and end users.

CHOC ÉLECTRIQUE! La source alimentation électrique de 120 V AC, 60 Hz présente un risque d'électrocution susceptible de causer des blessures graves aux installateurs et aux utilisateurs finaux.

CAUTION! Risk of Electric Shock! More than one disconnect switch may be required to de-energize the devices before servicing. Always disconnect power supply before servicing and wiring.

ATTENTION! Risque de choc électrique - Plus d'un sectionneur peut être nécessaire pour mettre l'appareil hors tension avant l'entretien. Déconnectez la source d'alimentation avant le câblage ou avant son entretien.

IMPORTANT NOTES!

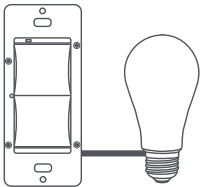
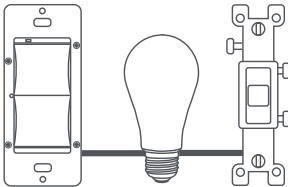
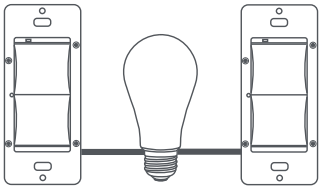
- A licensed electrician is required to install any of Savant's wireless lighting switches and dimmers.
- Use #14 AWG or larger solid copper wire (90°C) for the supply, neutral, and ground connections. Strip wires to 5/8 in. (16 mm).

NOTES IMPORTANTES!

- Un électricien agréé est nécessaire pour installer tous les interrupteurs et gradateurs d'éclairage sans fil de Savant.
- Utiliser du fil de cuivre solide n° 14 AWG ou supérieur (90 °C) pour les connexions d'alimentation, de neutre et de terre. Dénudez l'isolant sur 5/8" (16 mm).

1. Turn off the power for the switch location at the circuit breaker.
2. Test the existing switch by toggling the switch on and off, ensuring they do not turn on.
3. Identify the circuit type and remove old switch(es). There are generally two (2) circuit types when installing light switches. Single Pole (single location) where one (1) switch controls all of the lights in a circuit, or 3-Way (two location) where two (2) switches control all of the lights in a circuit. Refer to the **WIRING COMPATIBILITY** section circuit type examples.
4. Identify wiring set up. With a two location circuit, there are generally two (2) ways the wiring can be set up; line and load in different outlet boxes, or line and load in the same outlet box.
5. Disconnect and label each wire removed from the existing switch. Labeling the wires ensures they will be installed onto the new switch correctly, mainly if the circuit employs a 3-way configuration.
6. Using the supplied wire nuts or an approved alternative, connect the in-wall wires removed in step 5 to the leads coming from the new GE PROSEO Switch. See the **WIRING DIAGRAMS** and **Rear Panel** sections for more information.
7. Insert the switch into the electrical switch box and secure using the 6-32 flat head screws provided. **DO NOT** use a powered screwdriver. A powered screwdriver can over tighten the screws.
8. From the main breaker panel, switch on the breaker that was switched off in step 1 above.
9. Toggle the service switch on the front panel to the ON position. With power applied, the switch will go through a boot sequence, the button LEDs will cycle red > green > blue > white.
10. After the boot sequence completes, the LED will blink red in an alternating pattern This indicates the keypad is in a state where an IP Address is currently not assigned. **NOTE:** Provisioning will be accomplished later in the process.
11. Press the buttons on the front panel and verify the load reacts appropriately.
12. Install the wall plate once all steps are complete.

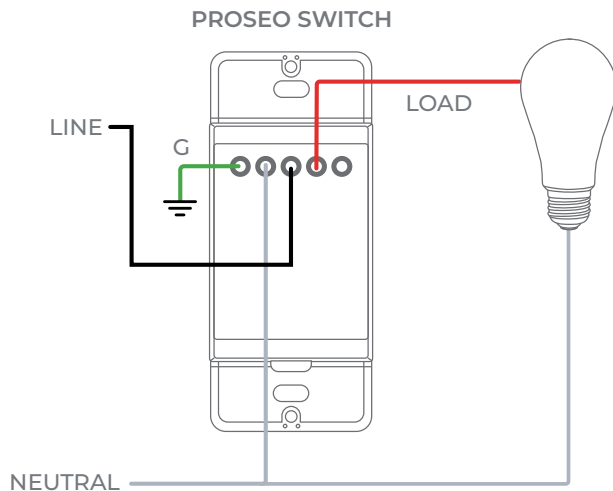
WIRING COMPATIBILITY

Wiring Configuration	Single Location	3-Way Wiring with One PROSEO Switch and One Traditional Switch	3-Way Wiring with Two PROSEO Flex Switches
			
Supported	Yes	Yes* *SavantOS 11.2.4 or Higher	Yes
Traveler Wire Used	No	N/A	Yes

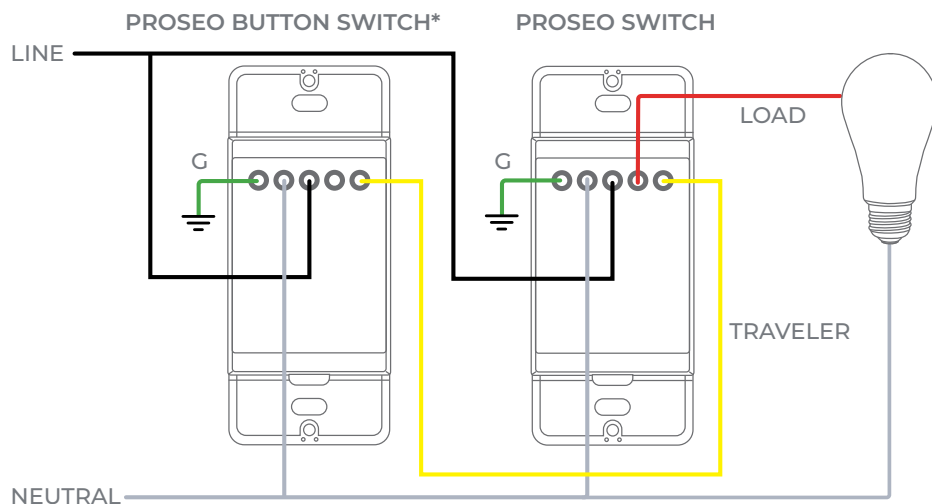
WIRING DIAGRAMS

Single location and 3-way configurations are supported with GE PROSEO Flex Keypad, Button and Motion Dimmers. Examples are shown below. See the **GE PROSEO Flex Keypads, Switches and Dimmers Installation Guide** available on the **Savant Community** for more information.

Single Location

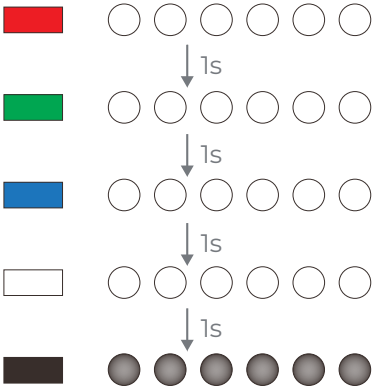
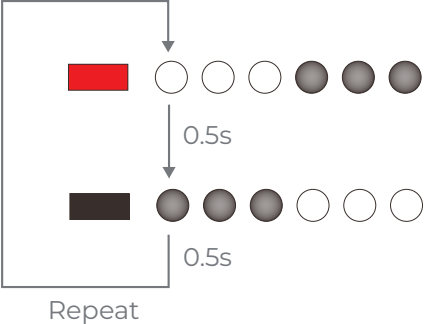
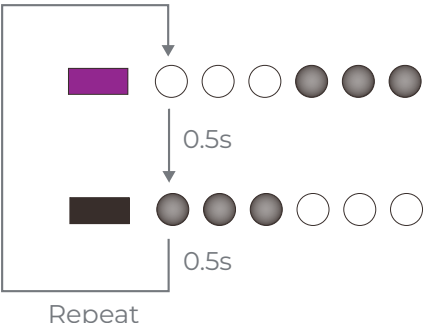


Two Location (3-Way) with Two PROSEO Switches on the Same Circuit



***NOTE:** The PROSEO Button Switch in this wiring configuration must be converted to an auxiliary switch. See the **Convert Button Switch to Auxiliary** section in the **GE PROSEO Flex Paddle, Toggle and Button Switches Quick Reference Guide** for steps.

LED SEQUENCING

Status Indicator LED Sequence	LED Sequence Description	Status
	The status indicator light will illuminate sequentially in red, green, blue, and white, with each color remaining lit for 1 second. During this sequence, the LED array remains illuminated. Finally, both the status indicator and the LED array extinguish simultaneously.	System booting
	The status indicator light remains solid red. For the LED array, three LEDs alternate white left to right. (0.5 seconds on, 0.5 seconds off)	Not commissioned to local network/ Lost Wi-Fi The PROSEO dimmer is not communicating with local Wi-Fi networks and requires provisioning. Within approximately one minute, the LED sequence terminates. To verify the dimmer's operational state post-sequence, press any physical button on the dimmer. This action triggers a renewed LED sequence indicating the current device status.
	The status indicator light remains solid purple. For the LED array, three LEDs alternate white left to right. (0.5 seconds on, 0.5 seconds off)	Connected to local network but not bound to the configuration running on the host