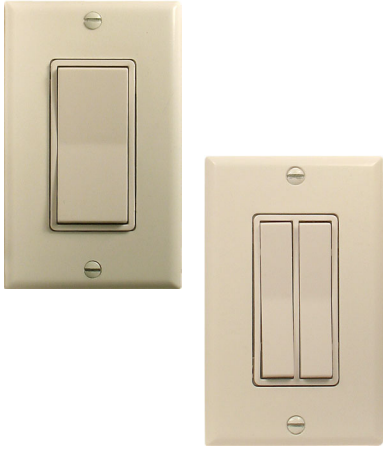
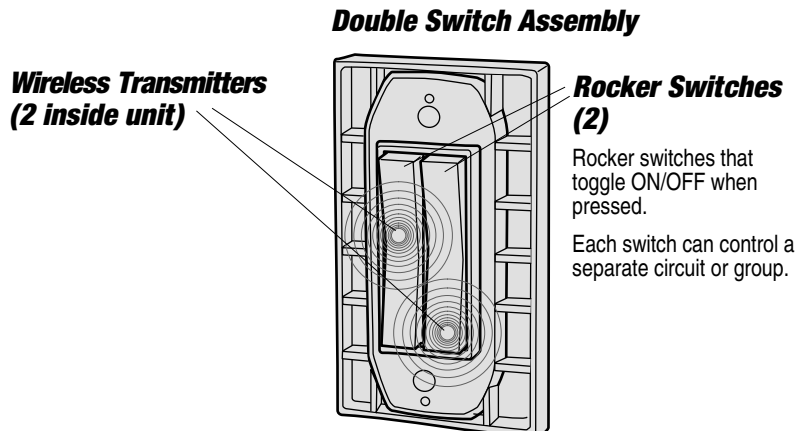
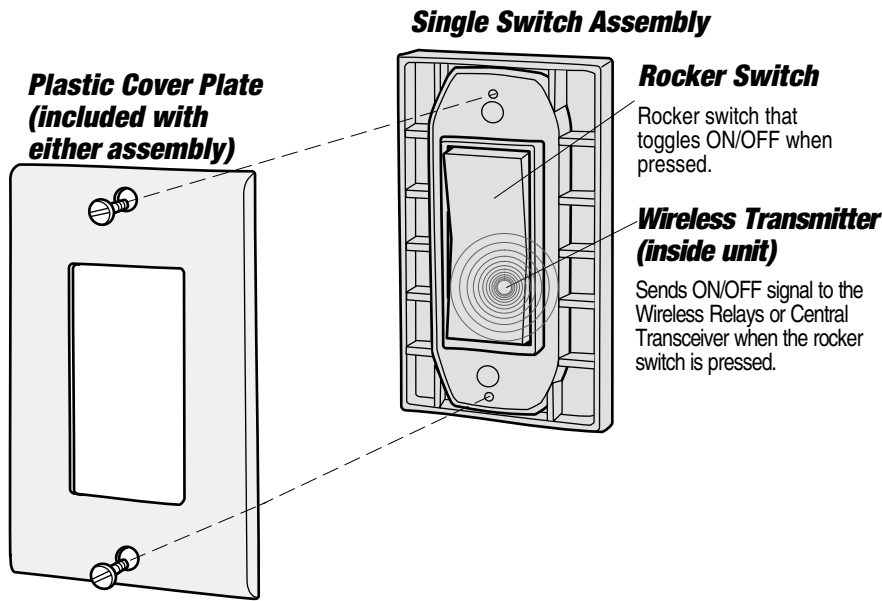


	PART No.	DESCRIPTION	SPECIFICATION
	<p>WWS-1301 Wireless Switch</p>	<ul style="list-style-type: none"> ▪ Wall mounted wireless switches activated by toggling. ▪ When toggled, the switch transmits a signal to an associated Wireless Relay to switch the lights ON or OFF. 	<p>Switch</p> <ul style="list-style-type: none"> ▪ Rocker switch that sends a wireless signal when toggled. ▪ WWS-1301 model has one rocker switch, WWS-1302 Model has two. ▪ Can operate in ON/OFF, toggle or dimming control modes.
	<p>WWS-1302 Double Wireless Switch</p>	<ul style="list-style-type: none"> ▪ The WWS Series Wireless Switch is a simple, effective method of switching lighting circuits with no wiring required. Ideal for retrofits. ▪ The internal transmitter is self-powered, requiring no batteries or external power connections. ▪ Mount on a wall surface or in a standard wall box. 	<p>Wireless Signal Transmission</p> <ul style="list-style-type: none"> ▪ Via integrated 15 cm whip antenna. ▪ Transmission frequency: 315 mHz. ▪ Transmission power: 10 MW EIRP maximum. ▪ Transmission range: 150' line-of-sight (up to 60' through gyprock walls). ▪ Energy bowtravel: 50,000 actuations tested to EN 60669.

WWS-1301 and WWS-1302 Wireless Toggle Switches



Mounting

- Mounts to a flat wall surface or in a standard wall box.

Color

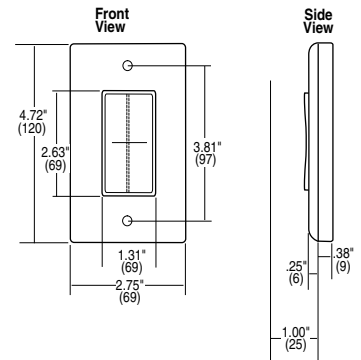
- Units available in white or black plastic.

Environment

- Indoors, stationary, non-vibrating, non-corrosive atmosphere and non-condensing humidity.
- Ambient temperature: -13° to +150°F (-25°C to +65°C).

DIMENSIONS & MOUNTING

- Mount switch assembly to wall surface or standard gang box.
- Mount cover to switch assembly with 2 screws provided.

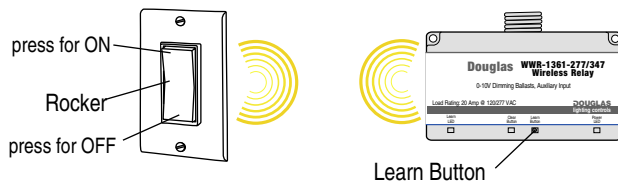


CONFIGURATION

- The Douglas Wireless Switches and Wireless Relays can be configured within a W-2000 Network without using a computer. Each Wireless Switch can be connected, or 'attached' via the transmission of wireless signals, to a Wireless Relay or assigned to a virtual input for group or master switching. This can be accomplished directly on the switches without having to access the WNP-2150 Network Manager or having to access the Wireless Relays or the Central Transceivers in the ceiling space.

LOCAL SWITCH SETUP

- WWX-130x Wireless Switches are 'attached' to Wireless Relays by a series of ON/OFF clicks by pushing the rocker on the switch or, by pushing the Learn button on the Wireless Relay followed by an ON click from the Wireless Switch.



- Once the Wireless Switch is 'attached' to the relay, it can operate the relay ON/OFF. If there is a 0-10V dimming ballast connected to the relay, the switch can dim or brighten the lamps controlled by the ballast. This is accomplished by pressing and holding the ON position for brightening increments or by pressing and holding the OFF position for dimming increments.

CENTRAL TRANSCEIVER SETUP

- Each WWX-1351 Central Transceiver can have up to twenty-four WWR-1361 Wireless Relays assigned to it. A WWS-1301 Wireless Switch can be configured as a tool for assigning Wireless Relays to any of Central Transceiver's 24 virtual outputs.
- By a series of ON and OFF clicks, the Wireless Switch assigns Wireless Relays to the Central Transceiver. The WWX-1351 Central Transceiver has audible buzzers to confirm communications. As each relay is assigned, the load it controls will blink OFF and then back ON.

MASTER SWITCH SETUP

- WWS-130x Wireless Switches can be configured as a group or as a master switch by assigning them as a virtual input of the WWX-1351 Central Transceiver using the Switch Configuration tool.

PROGRAMMING

- Once all of the wireless Relays, Switches and Central Transceivers have been configured, they are ready to be programmed. Wireless Relays and/or 2-wire panel mount relays may be grouped together for the purpose of being controlled as a unit by a switch, by a schedule or by a photo sensor.

WNP-2150 NETWORK MANAGER PROGRAMMING

- All switch inputs whether panel-based, digital or wireless can be programmed from the WNP-2150 Network Manager.
- All relays, whether wireless or panel-based, can be programmed into groups using the WNP-2150. Once designated as a group, they can be assigned to switches, schedules or photosensor groups.
- Timeout, Flick Warn, Delay Off and Delay ON functionality are all applicable to wireless relays, just as they are to panel-based relays.

