WALL SWITCHES
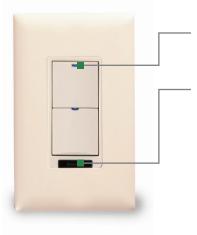
LMSW-100 SERIES

Low voltage pushbutton switches for control of multiple loads

Components of Digital Lighting Management integrated control system

Plug to other components using Cat 5e cables with RJ45 connectors eliminating wiring errors

Customizable buttons with LED status indicators

IR transceiver for wireless configuration and remote control

Plug n' Go automatic configuration and Push n' Learn for personalization

Description

LMSW-100 Series Wall Switches are low voltage devices for energy-saving manual on/off control of one or more loads from one or more locations. They are part of a Digital Lighting Management (DLM) system and can control any load(s) connected to DLM room controllers.

Operation

LMSW-100 Series Switches operate on Class 2 power supplied to a DLM local network by one or more room controllers. The switches send a digital signal for on or off whenever a pushbutton is pressed by a user. Plug n' Go™ automatic configuration assigns each load to a switch button upon system startup. If the number of buttons equals the number of loads, each button operates one load. If there are more loads than buttons, the last button controls multiple loads. Any extra buttons are unassigned. When multiple switches are installed, default operation is for multi-way control; each switch controls all of the loads on the system. Button assignments may be quickly reconfigured using Push n' Learn™. Button configuration may be changed from load control to scene control using DLM configuration tools.

Button Features and IR Communications

An LED shows the status of the load(s) or scene assigned to each button on a switch. Switches are available with one, two, three, four or eight buttons. When an unassigned button is pressed, the LED will blink. Each button can dim the load up and down. Each switch may be personalized in the field with custom-engraved buttons. The IR transceiver in each LMSW-100 Series Wall Switch allows two-way communication for both wireless system configuration and operation.

Applications

LMSW-100 Series Wall Switches are recommended for virtually all applications, including offices, conference rooms and classrooms. They are ideal for any area where manual on/off control is desired. They are also perfect for applications requiring multi-way control. LMSW-100 Series Switches increase energy savings and improve the return on investment of any Digital Lighting Management system.

Features

- Hidden configuration button for easy access to Push n' Learn
- Digital Lighting Managment components plug together on a free-topology Category 5e DLM local network
- Infrared (IR) transceiver for wireless configuration and control
- Sleek single gang devices fit decorator wall plates; 1-, 2-, 3-, 4-, and 8-button models
- Each button can control individual or multiple loads, or one scene; LED indicates status

- Each switch button can be used to dim the load
- Switches may be used for multi-way control
- Six color options and custom engraving options; standard buttons may be replaced in the field
- The product meets the materials restrictions of RoHS
- BAA/TAA-compliant models available

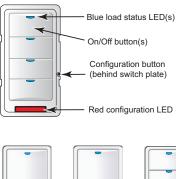| PROJECT		LOCATION/ TYPE	

Specifications

- Input voltage: 24VDC from DLM local network
- Current consumption: 5mA
- DLM local network connection: 2 RJ45 ports
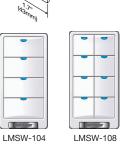- 1, 2, 3, 4 or 8 control buttons, each with LED status indicator
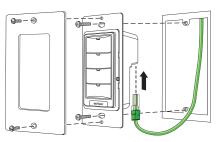- Hidden configuration button to access
- Push n' Learn

- Infrared (IR) transceiver
- Operating conditions: for indoor use only; 32-131°F (0-55°C); 5-95% RH, non-condensing
- UL and cUL listed
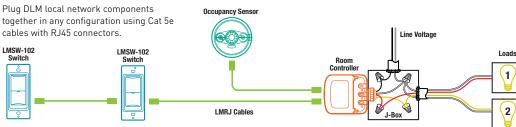- FCC part 15 compliant
- Five year warranty

Controls & Mounting

Product Controls, Dimensions and Models

Blue load status LED(s)

On/Off button(s)

Configuration button (behind switch plate)

Red configuration LED

4.1" (104mm)

1.3" (33mm)

1.7" (43mm)

LMSW-101 LMSW-102 LMSW-103 LMSW-104 LMSW-108

Mounting

LMSW-100 Series Switches fit in standard single gang boxes.

Connecting

Sample Connection Diagram with Multi-way Bi-level Control

Plug DLM local network components together in any configuration using Cat 5e cables with RJ45 connectors.

Occupancy Sensor

LMSW-102 Switch

LMSW-102 Switch

Line Voltage

Room Controller

Loads

1

2

LMRJ Cables

J-Box

Ordering Information

Catalog #	Color	Description
LMSW-101-W	White	
LMSW-101-LA	Light Almond	
LMSW-101-I	Ivory	1-Button
LMSW-101-G	Grey	Wall Switch
LMSW-101-B	Black	
LMSW-101-R	Red	
LMSW-101-W-U	White	1-Button Wall Switch, BAA/TAA-compliant*
LMSW-101-I-U	Ivory	
LMSW-102-W	White	
LMSW-102-LA	Light Almond	
LMSW-102-I	Ivory	2-Button
LMSW-102-G	Grey	Wall Switch
LMSW-102-B	Black	
LMSW-102-R	Red	

Catalog #	Color	Description
LMSW-102-W-U	White	2-Button Wall Switch, BAA/TAA-compliant*
LMSW-102-I-U	Ivory	
LMSW-103-W	White	
LMSW-103-LA	Light Almond	
LMSW-103-I	Ivory	3-Button
LMSW-103-G	Grey	Wall Switch
LMSW-103-B	Black	
LMSW-103-R	Red	
LMSW-103-W-U	White	3-Button Wall Switch, BAA/TAA-compliant*
LMSW-103-I-U	Ivory	
LMSW-104-W	White	
LMSW-104-LA	Light Almond	4-Button Wall Switch
LMSW-104-I	Ivory	
LMSW-104-G	Grey	

Catalog #	Color	Description
LMSW-104-B	Black	4-Button Wall Switch
LMSW-104-R	Red	
LMSW-104-W-U	White	4-Button Wall Switch, BAA/TAA-compliant*
LMSW-104-I-U	Ivory	
LMSW-108-W	White	
LMSW-108-LA	Light Almond	
LMSW-108-I	Ivory	8-Button
LMSW-108-G	Grey	Wall Switch
LMSW-108-B	Black	
LMSW-108-R	Red	
LMSW-108-W-U	White	8-Button Wall Switch, BAA/TAA-compliant*
LMSW-108-I-U	Ivory	

Note: Switches do not include face plates. Order decorator style plate separately.

*Product is compliant with Buy American Act and Trade Agreement Act