SWITCHLD

ALL IN ONE Wall Dimmer and Driver

GMLighting®

Project Name	Type
Catalog #	Date

24 VOLT | 12 VOLT | CLASS 2 | cULus | DIMMABLE | DRY LOCATION | 5 Yr. WARRANTY

PRODUCT OVERVIEW

SwitchLD is a driver and dimmer in one reliable wall switch. SwitchLD powers and dims a variety of 12VDC or 24VDC LED tape and lightbars directly from your 120VAC Available separately with three interchangeable face plate finishes, SwitchLD fits standard electrical boxes.

FEATURES

- Fits in standard recessed electrical box
- 100% -10% smooth dimming
- Controls constant voltage light fixtures
- Power supply integrated with dimmer switch
- Eliminates the compatibility issues between driver and dimmer switch
- Remembers dimmer level if power is lost
- Optional face plates and trims available - see below

ELECTRICAL/MECHANICAL SPECIFICATIONS

- Includes Gloss White face plate
- No minimum load
- Adjustable voltage output dial
- No derating required for multi-gang use
- Includes a voltage barrier partition that enables installation of high and low volt age circuit in same box
- Constant voltage Class 2 dc output
- Input Voltage: 120VAC (108 - 132VAC), 60Hz (47-63Hz)
- Power Factor: >0.9 @ 120VAC 60Hz max. load
- Stand-by Power: 0.5W

COMPLIANCE

- cULus
- FCC approved
- Complies with limits for a Class B digital device
- Conforms to NEC Code 725.136. Class 1 and Class 2 circuit in same enclosure must be separated by partition, unless Class 2 circuit conductors are installed in accordance with 725.41 Class 1 circuits

WARRANTY

- 5 year warranty

ORDERING INFORMATION

Example: SWD-40W-12VDC-DIM

	-		-		-		-	
Catalog No.		**Voltage In**		**Voltage Out**		**Watts**		**Face Plate Finish**
SWD-40W-12VDC-DIM		120VAC		12VDC		40W		Gloss White
SWD-60W-12VDC-DIM		120VAC		12VDC		60W		Gloss White
SWD-60W-24VDC-DIM		120VAC		24VDC		60W		Gloss White
SWD-100W-24VDC-DIM		120VAC		24VDC		100W		Gloss White

Note: White face plate is included. Trim plate is not included

TRIM & FACE PLATE ORDERING INFORMATION

Catalog No.	Description
SWD-ALD	Glossy Light Almond Trim and Face Plate
SWD-BRN	Glossy Dark Brown Trim and Face Plate
SWD-BK	Glossy Black Trim and Face Plate
SWD-WH	Glossy White Trim Plate (only)

COMPATIBILITY NOTE: SwitchLD is compatible with GM Lighting 12VDC and 24VDC LED products except for NVM24S, LTR-S-DTW, LTR-S-TUN tapes, puck lights or GMR downlights.

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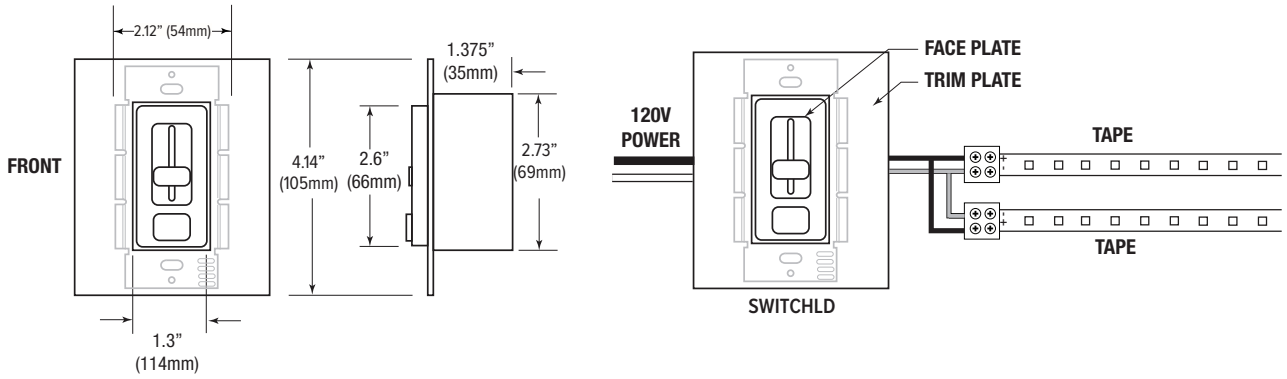
DIMENSION



VOLTAGE DROP CHART

Wire Size	Distance	12V - 2A 24 Watts	24V - 2A 48 Watts	12V - 4A 48 Watts	24V - 4A 96 Watts	12V - 8.33A 100 Watts	24V - 8.33A 200 Watts	12V - 16.7A 200 Watts	24V - 16.7A 400 Watts	12V - 25A 300 Watts	24V - 25A 600 Watts
18 AWG	10 feet	11.74	23.7	11.49	22.8	10.94	23.9	9.87	21.96	8.81	N/A
	25 feet	11.36	23.3	10.72	21	9.34	21.34	N/A	18.91	N/A	N/A
	50 feet	10.72	22.7	9.45	18	N/A	18.6	N/A	10.1	N/A	N/A
	100 feet	9.45	19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	200 feet	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
14 AWG	10 feet	11.90	23.01	11.80	23.60	11.58	23.58	11.16	23.20	10.75	22.75
	25 feet	11.75	23.70	11.49	22.80	10.95	23.96	9.89	22.00	8.84	20.85
	50 feet	11.49	23.50	10.99	21.60	9.90	21.91	7.78	19.96	5.69	17.71
	100 feet	10.99	23.01	9.98	19.40	7.79	19.80	N/A	N/A	N/A	N/A
	200 feet	9.98	21.98	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
12 AWG	10 feet	11.94	23.90	11.87	23.80	11.74	23.73	11.47	23.50	11.21	23.20
	25 feet	11.84	23.90	11.68	23.20	11.34	23.34	10.67	22.73	10.01	22.02
	50 feet	11.68	23.84	11.36	22.60	10.68	22.68	9.35	21.46	8.03	20.03
	100 feet	11.36	23.36	10.73	21.00	9.35	21.36	N/A	N/A	N/A	N/A
	200 feet	10.73	22.73	9.46	18.00	N/A	18.72	N/A	N/A	N/A	N/A
10 AWG	10 feet	11.96	23.96	11.92	23.80	11.83	23.83	11.67	23.68	11.50	23.50
	25 feet	11.90	23.90	11.80	23.60	11.53	23.58	11.17	23.20	10.75	22.76
	50 feet	11.80	23.90	11.60	23.00	11.17	23.17	10.33	22.40	9.50	21.50
	100 feet	11.60	23.60	11.20	22.20	10.34	22.34	8.66	20.81	N/A	19.01
	200 feet	11.20	23.20	10.40	20.40	N/A	N/A	N/A	N/A	N/A	N/A

NOTE: THIS CHART IS INTENDED FOR QUICK REFERENCE ONLY. ALL VOLTAGE DROPS SHOULD BE RE-CALCULATED BY USER TO VERIFY DATA.
THIS CHART IS BASED ON ESTIMATIONS UNDER NORMAL CONDITIONS.
THE ACTUAL VOLTAGE DROP MAY VARY DEPENDING ON CONDITIONS OF WIRE, CONDUIT USED, INSULATION AND AMBIENT ENVIRONMENTAL TEMPERATURE.

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