

WATTSTOPPER®

DIGITAL LIGHTING MANAGEMENT

SIMPLICITY | FLEXIBILITY | SCALABILITY

PRODUCT GUIDE

designed to be better.™



The Ultimate Solution...Today and Tomorrow

Evolving energy codes, transformative lighting technology, and high performance buildings require powerful and robust energy savings solutions. The adaptable Digital Lighting Management (DLM) technology platform and suite of lighting control services provide control infrastructure at every switch, outlet, and lighting load for optimal energy performance.



SIMPLICITY... Intuitive user interfaces, convenient remote diagnostic support, wireless solutions, and Plug n' Go™ automatic configuration make DLM simple to use and install. Optimizing energy performance with DLM makes it easy to meet the latest code requirements.

FLEXIBILITY... Adaptable to meet current occupant needs and easily expandable to transform your future lighting control systems with our building block architecture and easy integration with other building systems. Control of simple to complex sequences of operation via Push n' Learn™ personalization or LMCS software, an advanced PC-based software programming tool, provides easy system management.

SCALABILITY... Support the drive towards a Net Zero future. DLM scales up to accommodate whole buildings or campuses designed for the highest levels of energy performance.

Occupancy Sensors

FEATURE LEGEND

	RJ45 - # OF RJ45 PORTS
	LCD - LCD DISPLAY

MODEL #	DESCRIPTION	VOLTAGE	COVERAGE	FEATURES	
				RJ45	LCD
WIRELESS OCCUPANCY SENSORS					
	LMPC-600 Wireless Ceiling PIR Occupancy Sensor	Replaceable Battery	LMPC-600: Extended range lens, up to 1,200 ft ² LMPC-600-1: High density lens, up to 500 ft ² LMPC-600-5: Extended height lens, up to 3,800 ft ²	0	
	LMPX-600 Wireless Corner Mount PIR Occupancy Sensor	Replaceable Battery	LMPX-600: High density lens, up to 1,000 ft ² LMPX-600-1: Long range lens, up to 90 ft LMPX-600-4: 1 sided wide aisle lens, up to 45 ft	0	
OCCUPANCY SENSORS					
	LMPW-101 1-Button PIR Wall Switch Occupancy Sensor	24VDC; 8mA	Up to 40 ft. (major motion) Up to 25 ft. (minor motion)	2	●
	LMPW-102 2-Button PIR Wall Switch Occupancy Sensor	24VDC; 8mA	Up to 40 ft. (major motion) Up to 25 ft. (minor motion)	2	●
	LMDW-101 1-Button Dual Technology Wall Switch Occupancy Sensor	24VDC; 20mA	Up to 40 ft. (major motion) Up to 25 ft. (minor motion)	2	●
	LMDW-102 2-Button Dual Technology Wall Switch Occupancy Sensor	24VDC; 20mA	Up to 40 ft. (major motion) Up to 25 ft. (minor motion)	2	●
	LMPC-100 Ceiling Mount PIR Occupancy Sensor	24VDC; 7mA	LMPC-100: Extended range lens, up to 1,200 ft ² LMPC-100-1: High density lens, up to 500 ft ² LMPC-100-5: Extended height lens, up to 3,800 ft ²	2	●
	LMPX-100 Corner Mount PIR Occupancy Sensor	24VDC; 7mA	LMPX-100: High density lens, up to 1,000 ft ² LMPX-100-1: Long range lens, up to 90 ft. LMPX-100-3: 2-sided aisle lens, up to 60 ft. LMPX-100-4: 1-sided aisle lens, up to 60 ft.	1	●
	LMUC-100 Ceiling Mount Ultrasonic Occupancy Sensor	24VDC; 20mA	LMUC-100-2: up to 1,000 ft ²	2	●
	LMDC-100 Ceiling Mount Dual Technology Occupancy Sensor	24VDC; 20mA	Up to 1,000 ft ²	2	●
	LMDX-100 Corner Mount Dual Technology Occupancy Sensor	24VDC; 20mA	Up to 2,000 ft ² (walking) , up to 1,000 ft ² (desktop)	1	●

Load Controllers

FEATURE LEGEND

	ON/OFF - ON/OFF SWITCHING		FP DIM - FORWARD PHASE DIM
	NOR - # OF RELAYS		CM - CURRENT MONITORING
	0-10V DIM - 0-10V DIMMING OUTPUT		RJ45 - # OF RJ45 PORTS







MODEL #	DESCRIPTION	VOLTAGE (SINGLE PHASE)	LOAD RATINGS	FEATURES					
				ON/OFF	NOR	0-10V DIM	FP DIM	CM	RJ45
WIRELESS ROOM CONTROLLERS									
LMRC-611MCC	Wireless 1-Relay Room Controller, 0-10V Dimming with Metering, Includes Contact Closure Terminal	120/277VAC	Ballast: 10A Incan: 10A		1				0
ROOM CONTROLLERS									
LMRC-101	1-Relay On/Off Room Controller, Provides 150mA	120/230/ 240/277VAC	Ballast: 20A Incan: 20A Motor: 1Hp		1				3
LMRC-102	2-Relay On/Off Room Controller, Provides 150mA	120/230/ 240/277VAC	Ballast: 20A Incan: 20A Motor: 1Hp		2				3
LMRC-111	1-Relay Room Controller, 0-10V Dimming with Calculated Metering, Provides 150mA	120/277VAC	Ballast: 10A Incan: 10A		1			**	2
LMRC-111-M	1-Relay Room Controller, 0-10V Dimming with Real Time Metering, Provides 150mA								
LMRC-112	2-Relay Room Controller, 0-10V Dimming with Calculated Metering, Provides 150mA	120/277VAC	Ballast: 10A Incan: 10A		2			**	2
LMRC-112-M	2-Relay Room Controller, 0-10V Dimming with Real Time Metering, Provides 150mA								
LMRC-211	1-Relay Room Controller, 0-10V Dimming with Calculated Plus Metering, Provides 24VDC; 250mA	120/230/ 240/277VAC	Ballast: 20A Incan: 20A Motor: 1Hp		1				4
LMRC-211-347*		347VAC							
LMRC-212	2-Relay Room Controller, 0-10V Dimming with Calculated Plus Metering, Provides 24VDC; 250mA	120/230/ 240/277VAC	Ballast: 20A Incan: 20A Motor: 1Hp		2				4
LMRC-212-347*		347VAC							
LMRC-213	3-Relay Room Controller, 0-10V Dimming with Calculated Plus Metering, provides 24VDC; 250mA	120/230/ 240/277VAC	Ballast: 20A Incan: 20A Motor: 1Hp		3				4
LMRC-213-347*		347VAC							
LMRC-221	1-Relay Room Controller, Forward Phase Dimming with Calculated Plus Metering, Provides 24VDC; 250mA	120/277VAC	Incandescent, MLV, ELV, LED (FP Compatible); 2-Wire or 3-Wire Ballast: 16A		1				4
LMRC-222	2-Relay Room Controller, Forward Phase Dimming with Calculated Plus Metering, provides 24VDC; 250mA	120/277VAC	Incandescent, MLV, ELV, LED (FP Compatible); 2-Wire or 3-Wire Ballast: 16A		2				4
LMPB-100	Provides Power and Connectivity to DLM Fixture Controllers (BLMx-DLM/LMFC-011) Plus Any Other DLM Devices, Provides 150mA	120/277VAC	N/A		0				3
PLUG LOAD/RECEPTACLE CONTROLLERS									
LMPL-101	Plug Load Room Controller, Provides 24VDC; 150mA	120VAC	Ballast: 20A Incan: 20A Motor: 1Hp		1				3
LMPL-201	Plug Load Room Controller with Current Monitoring, provides 24VDC; 250mA	120VAC	Ballast: 20A Incan: 20A Motor: 1Hp		1				4
WRC-15-1 WRC-15-2 WRC-20-1 WRC-20-2	15A Plug Load Half/Dual Controlled Receptacle or 20A Plug Load Half/Dual Controlled Receptacle	120VAC	15A or 20A Plug Load Rating		1				
WRC-TX-LM	Plug Load RF Transmitter	24VDC; 3mA	N/A						1
EMERGENCY CONTROLS									
ELCU-100	UL 924 Rated Device With 1-Relay, Monitors Normal Power Circuit to Control an Emergency Circuit	120/277 VAC	N/A		1				
ELCU-200 ELCU-200-347	UL 924 Rated Device With 1-Relay, Monitors Normal Power Circuit to Control an Emergency Circuit	120/277 VAC	N/A		1				
MODEL #	DESCRIPTION	FUNCTION							
LIGHTING CONTROL PANELS									
LMCP8 LMCP24 LMCP48	LMCP Series Relay Panel Interiors and Enclosures All Provide 2 Channels of 24VDC; 250mA	Switches lighting and plug loads in areas not suitable for room controllers Can be scheduled by LMCT-100, LMCS-100, Segment Manager, or BAS							
LMZC-301	Zone Controller, Provides 2 Channels of 24VDC; 250mA	Provides power and connectivity to DLM fixture controllers (BLMx-DLM/LMFC-011) as well as other DLM devices. Includes integral segment network connectivity and can be used to enable the automation of lighting functions across a facility.							









* 15A Ballast Only

** Current and Voltage

Personal Controls

FEATURE LEGEND

	LS - LOAD SWITCHING		CCT - CORRELATED COLOR TEMP (TUNABLE WHITE)
	LD - LOAD DIMMING		RJ45 - # OF RJ45 PORTS
	SC - SCENE CONTROL		CP - CONFIGURATION PROFILES

MODEL #	DESCRIPTION	VOLTAGE	FEATURES						
			LS	LD	SC	CCT	RJ45	CP	
WIRELESS PERSONAL CONTROLS									
	LMDM-601	Wireless 1-Button Dimming Wall Switch	Replaceable Battery	●	●			0	
	LMSW-605	Wireless 5-Button Scene Switch	Replaceable Battery	●	●	●		0	
HUMAN CENTRIC LIGHTING PERSONAL CONTROLS									
	LMSW-105-CCT	5-Button Manual CCT Control Preset Switch for Tunable Blanco/araya ⁵ -Enabled Fixtures	24VDC; 5mA				●		
	LMTS-101-CCT	Automatic CCT Control Time Switch of Tunable Blanco/araya ⁵ -Enabled Fixtures	24VDC; 15mA				●		
PERSONAL CONTROLS									
	LMEQ-41	LCD Capacitive Touchscreen for the DLM System	48VDC via POE	●	●	●	●	1	
	LMTI-100-120 LMTI-100-277	Touchscreen Injector Provides Communication and Power to Support up to Two LMEQ-41's	120 or 277VAC					2	
	LMSW-100 Series*	1-Button Digital Wall Switch: LMSW-101	24VDC; 5mA	●	●**	●		2	
		2-Button Digital Wall Switch: LMSW-102							
		3-Button Digital Wall Switch: LMSW-103							
		4-Button Digital Wall Switch: LMSW-104							
		8-Button Digital Wall Switch: LMSW-108							
	LMDM-101	1-Button Dimming Wall Switch	24VDC; 5mA	●	●			2	
	LMSW-105	5-Button Scene Switch	24VDC; 5mA	●	●	●		2	
	LMPS-104	4-Button Partition Switch	24VDC; 5mA					2	16







* Available Colors: White (-W), Light Almond (-LA), Ivory (-I), Grey (-G), Black (-B), Red (-R)

** Via On Only or Off Only Setting

FEATURE LEGEND

	ON/OFF - ON/OFF SWITCHING		RJ45 - # OF RJ45 PORTS
	DIM - DIMMING		PNG - PLUG N' GO
	NOZ - # OF ZONES		AC - AUTOMATIC CALIBRATION









Daylight Sensors

MODEL #	DESCRIPTION	VOLTAGE	FEATURES						
			ON/OFF	DIM	NOZ	RJ45	PNG	AC	
WIRELESS DAYLIGHTING SENSORS									
	LMDL-600	Wireless Multi-Zone Open Loop Digital Photosensor	Replaceable Battery	●	●	3	0	●	●
DAYLIGHTING SENSORS									
	LMLS-400	Single-zone Switching (On/Off, Bi-Level, Tri-Level) and Dimming Closed Loop Photosensor (Tube Length 0" - 5/8")	24VDC; 7mA	●	●	1	1	●	●
	LMLS-400-L	Single-zone Switching (On/Off, Bi-Level, Tri-Level) and Dimming Closed Loop Photosensor with Extended Tube (Tube Length 5/8" - 1 1/4")	24VDC; 7mA	●	●	1	1	●	●
	LMLS-500	Multi-Zone Switching (On/Off, Bi-Level, Tri-Level) and Dimming Open Loop Photosensor (Tube Length 0" - 5/8")	24VDC; 7mA	●	●	3	1		
	LMLS-500-L	Multi-zone Switching (On/Off, Bi-Level, Tri-Level) and Dimming Open Loop Photosensor with Extended Tube (Tube Length 5/8" - 1 1/4")	24VDC; 7mA	●	●	3	1		
	LMLS-600	Single-zone Dual Loop Switching and Dimming Photosensor	24VDC; 7mA	●	●	1	1	●	●





Interface Devices

MODEL #	DESCRIPTION	VOLTAGE	FUNCTION
INTERFACES			
	LMOR-102 Low Voltage Dual Relay Interface	24VDC; 20mA	Accessory interface device with two low voltage mechanically held relays
	LMIN-104 Input Interface	24VDC; 20mA	Accessory Input Interface that accepts 4 2-wire inputs, 2 3-wire inputs, 4 analog sensor inputs, or can function as a photocell module (Replaces LMIO-101, -102, -201, -301)
	LMRL-100 Isolated Relay Interface	24VDC; 7mA	Single-pole, double throw relay communicates room occupancy status
	LMDI-100 Serial Data Interface	24VDC; 20mA	Communicates with 3rd party control system via RS-232 signals
	LMIR-100 Digital IR Ceiling Mount Receiver	24VDC; 5mA	Infrared transceiver accepts commands from DLM IR remote controls and transmits them over DLM local network
CONFIGURATION TOOLS			
	N/A DLM Configuration App	N/A	Allows you to easily pair wireless DLM devices together to form rooms
	LMCT-100-2 Wireless Configuration Tool with USB	3 AAA Batteries	Enables convenient system and device modifications via push button. New functionality includes USB port for firmware upgrades and expanded memory support. Stores up to nine sensor profiles
	LMCI Computer Interface Tool	via USB Port	Enables PC connection to DLM local network in order to modify or document device and system settings in LMCS software
SOFTWARE			
	LMCS-100 Configuration Software	N/A	Advanced programming tool, for a DLM system, used for documentation, real-time monitoring, and diagnostics information
	N/A DLM Dashboard Software	N/A	PC installed software that provides users with a simple and easy to use interface for configuring and managing the behavior of the lighting system





Network System Components

MODEL #	DESCRIPTION	VOLTAGE	FUNCTION
WIRELESS NETWORK COMPONENTS			
	LMBC-650 Wireless Network Bridge with Bluetooth® wireless technology	24VDC; 20mA	Provides a network connection for a group of local wired or hybrid room level devices
	LMBR-650 Wireless IPv6 Mesh Border Router	24VDC; 65mA power from receptacle using included adapter or an isolated LMPB-100	Manages the formation and configuration of the 6LoWPAN wireless network and provides network connectivity via wired Ethernet to a local area network (LAN). Enables DLM Dashboard web-based software for BACnet® integration, scheduling, and demand response support.
NETWORK COMPONENTS			
	NB-Switch NB-Switch-8 NB-Switch-16 Global Network Switches	24VDC via 120V plug adapter	Provides high speed connectivity for DLM networked devices
	NB-Router Segment Network to IP Router	24VDC via 120V plug adapter	Provides a connection point between a single DLM segment wire and a BACnet/IP Ethernet LAN
	LMSM-ENC1 Enclosure for LMSM Segment Manager	Single 120VAC Circuit	Surface-mount NEMA-1 rated enclosure with a DIN rail for mounting one LMSM Segment Manager, conduit knockouts for line and low-voltage connections and a removable cover
	LMNC-MT LMNC-0-x LMNC-1-x LMNC-2-x LMNC-3 LMNC-3-x LMNC-4 LMNC-4-x LMNC-5 LMNC-6 LMNC-7 LMNC-8 LMNC-9 DLM Network Component Enclosure	Single 120VAC Circuit	Surface-mount NEMA-1 rated enclosure with DIN rails for mounting DLM network components Comes with hinged cover and provided empty (LMNC-MT) or with 3-9 installed routers (LMNC-3 to -9)
CABLES			
	LMRJ Pre-terminated cables for DLM local network available in a variety of pre-terminated lengths in plenum and non-plenum varieties in green or white	N/A	Connect DLM components without the need for tools or point-to-point discrete wiring
	LM-MSTP MS/TP wire for segment networks available in green, black, or white; plenum rated Green spools also available	N/A	Provides MS/TP (RS-485) signal between Segment Manager and all network bridges

Fixture Integrated Controls

MODEL #	DESCRIPTION	VOLTAGE	FUNCTION	
INTEGRATED FIXTURE CONTROL				
	BLM2-DLM BLM3-DLM ALM5-DLM	Logic Module with Control Card	24VDC; 2mA	Blanco and araya logic modules with LMLM-101 DLM interface
	LMFC-011	1-Relay 0-10V Dimming Fixture Controller	24VDC; 7mA	Enables DLM individual fixture control: 3 Amps
	LMFC-2RJ	Dual Port Fixture Mounted Cable Whip	N/A	Provides DLM network control between multiple fixtures
	LMFC-RJ-50-24	Single Port Fixture Mounted Cable Whip	N/A	Provides DLM network control to a single LMFC

RJ45 Couplers, Splitters & Adapters

MODEL #	DESCRIPTION	VOLTAGE	FUNCTION	
ACCESSORIES				
	LMRJ-C8	2 Port End-to-End Cable Coupler Non-Plenum	N/A	Ability to connect two LMRJ cables to extend length
	LMRJ-S8	3 Port Cable Splitter Non-Plenum	N/A	Ability to connect three LMRJ cables or devices
	LMRJ-CS8	3 Port Coupler/ Splitter Plenum rated	N/A	Ability to connect three LMRJ cables or devices
	LMRJ-WA-5PK	20 Gauge Control wire to RJ45 Adapter, 5 Pack	N/A	Adapts 20/4 control wire for use with DLM devices with RJ45 ports

Services

The Wattstopper Service offering includes a broad portfolio of lighting control services. Extended warranties and service contracts are available - check with your local Wattstopper representative for more information.

SERVICE	DESCRIPTION
PROJECT SERVICES	
SDRAWSYS	Factory project engineering services
PRESTARTUP	1-day, on-site consultation to prepare for install/startup
POSTSTARTUP	1-day, on-site consultation for post-occupancy adjustments and calibration
SCOM	On-site startup and orientation training for all Wattstopper products
ADVSVCS-IS	Advanced integration services from a factory-trained Integration Specialist
RACCESS-6	Remote Diagnostic support with First-Year Enhanced Warranty, Includes 4G LTE modem, first-year cellular service data plan and external antenna for use with four or more LMBR-650s, LMSM-6E, and Architectural Dimming systems
RACCESS-3	Remote Diagnostic support with First-Year Enhanced Warranty, Includes 4G LTE modem, first-year cellular service data plan and external antenna for use with up to three LMBR-650s, LMSM-3E, and Architectural Dimming systems
STRAIN	Day(s) on-site training for Wattstopper control products
SERVICE	Post-warranty, on-site support for system optimization, troubleshooting, and repair
HWARRANTY-1	Year(s) extended warranty for hardware
RSVC-PLUS	Connect Plus technology-enabled service contract with dedicated Remote Operations Center (ROC) support and priority on-site response; includes proactive system analytics, annual on-site training, and twice-annual on-site system tuning visits
RSVC-PRIME	Connect Prime one year service contract with 24/7 ROC support and guaranteed next day* on-site response; includes proactive system analytics, twice-annual on-site training visits, and quarterly on-site system tuning visits

* Next day on-site guarantee is available in select markets.



designed to be better™

Wattstopper®

Customer Care
7 am - 6 pm CST
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Technical Support
8 am - 7 pm CST
800.879.8585

Services & Support
<http://www.legrand.us/support/wattstopper>

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