LIGHTING CONTROLS

WATTSTOPPER LIGHTING INTEGRATOR PANELS WITH DIGITAL LIGHTING MANAGEMENT DLM SUPPORT
LMCP SERIES

DESCRIPTION

The **Wattstopper LMCP Series** panel provides simple BACnet (MS/TP) network-capable lighting control enabling the automation of lighting functions throughout an entire facility. The HDR relays in the panel can respond directly to low voltage inputs from Digital Lighting Management (DLM) switches, occupancy sensors, daylight sensors, and input modules.

FEATURES

- *Single pole heavy duty lighting/plug relays*
- *Availabe in interiors sized for 8,24, or 48 relays*
- *LMCT -100 handheld Configuration tool for setup*
- *Runs event-based schedule routines independently*
- *Supports astronomical, time- based event types*
- *Two free topology DLM Category 5e local networks*
- *Supports DLM sensors, switches, and LMIO input modules*
- *Auxilliary power available, 15VDC or 24VDC*
- *Qualifies for use in ARRA-funded projects*

WattStopper | **legrand**

BACnet

LMCP   LENC-08-S

SPECIFICATIONS

|	
Supply Voltage	120/277 VAC,120/347 VAC, 240 VAC, 50/60 Hz
Auxiliary Output	Jumper Selectable (LMCP 24,48 only) 15VDC @650mA, 24VDC @400mA,
Short Circuit Current (SCCR)	14,000 Amps w/HDR relays
Lighting Relay Output Capacity	8, 24 or 48 relay (per order)
DI Hard Wire Inputs	None
Relay/Contactor	Latching SPST (HDR)
Resistive	30A @ 347 VAC
Ballast	30A @ 277 VAC, 20A @ 347 VAC
Tungsten	20A @ 120VAC,
Fan HP	1.5HP @ 120VAC
Other Relay Specifications	
Relay Cycle Life	250K no load, 50K full load
Relay termination	Screw clamp, (10-14 AWG)
Relay override	Manual HDR relay switch and in panel button by relay and 8 group buttons
Dimming Output Capacity	None
Display	LED indication by relay and group
Internal Clock	Programmable and Astronomic scheduling
BAS Communication	BACnet MS/TP
Field Device Comm.	Two RJ45 DLM local cat5e networks Up to 48 addressable devices on each network Used w/DLM remote devices (switches, motion etc.)
LMSW-101-I-P	DLM comm. 1 button light switch (Ivory)
LMSW-102-I-P	DLM comm. 2 button light switch (Ivory)
LMUC-100	DLM comm. ultrasonic ceiling Occ. sensor
LMDX-100	DLM comm. dual tech. corner Occ. sensor
LMIO-101	DLM comm DI input module
LMIO-301	DLM comm Light Sensor input module (LMPO-200 Req.)
Configuration	LMCT-100 Prog. tool (Required on first install)
Special features	Up to 99 groups and 254 events
Operating Temperature	32 to 131°F(0 to 55°C)
Operating Humidity	5-95% RH noncondensing
Mounting	Surface or Flush (per order), Hi V/ Low V separated
Enclosure Rating	NEMA 1, w/Green paint
Dimensions	
LENC8S (Surface)	15.8"W x 16.6"H x 4.6"D (40.1 x 42.2 x 11.7 cm)
LENC8F (Flush)	17.1"W x 18.5"H x 4.6"D (43.4 x 47 x 11.7 cm)
LENC24S (Surface)	24"W x 32"H x 4.6"D (43.4 x 81.3 x 11.7 cm)
LENC24F (Flush)	25.91"W x 33.4"H x 4.6"D (65.8 x 84.8 x 11.7 cm)
LENC48S (Surface)	24"W x 44.5"H x 4.6"D (61 x 113 x 11.7 cm)
LENC48F (Flush)	25.9"W x 45.9"H x 4.6"D (65.8 x 116.6 x 11.7 cm)
Weight	Panel w/ Enclosure
LMCP8	36 lb (16.4 Kg)
LMCP24	80 lb (36.3 Kg)
LMCP48	112 lb (50.8 Kg)
Approvals	UL File #E207852
Warranty	5 year

YOUR PROJECT PARTNER, BIG OR SMALL

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WIRING

P115/277 Power wiring
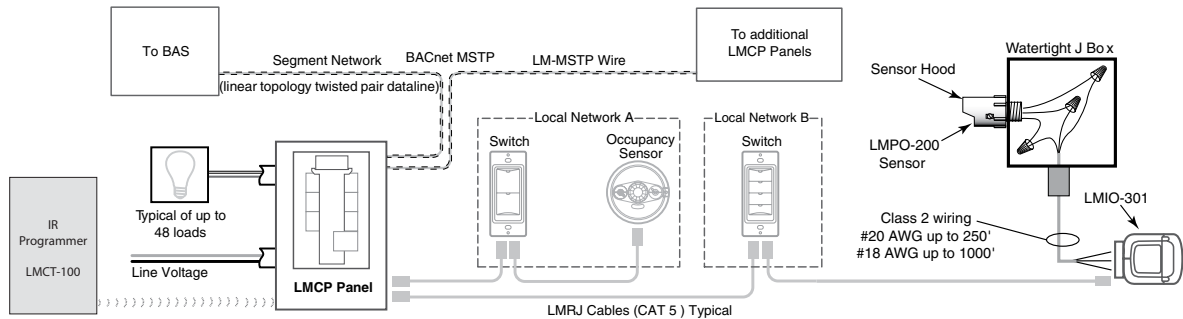(see installation instructions for additional voltages)

115V AC Supply — GND, NEU, 115, 277
277V AC Supply — GND, NEU, 115, 277
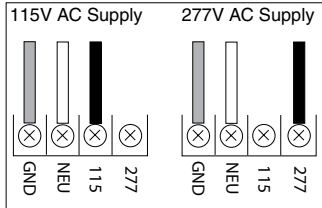
Lighting Relay Wiring
(Fail-safe, bypassed operation)

Lighting Circuit — Line, Load — HDR Relay — To CTRL Board

Emergency Relay Wiring
(Fail-safe, bypassed operation)

Emergency Lighting Circuit — Line, Load — HDR Relay — To CTRL Board

N.C. Contactor

Normal Power Sense — H, N — C
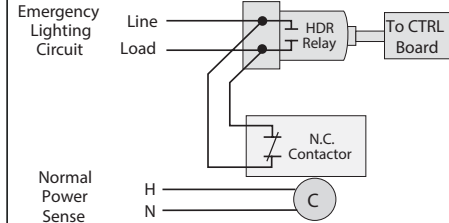
DLM Panel Connection Diagram

To BAS
Segment Network (linear topology twisted pair dataline)
BACnet MSTP
LM-MSTP Wire
To additional LMCP Panels

Local Network A — Switch, Occupancy Sensor
Local Network B — Switch

Sensor Hood
Watertight J Box
LMPO-200 Sensor
LMIO-301

IR Programmer LMCT-100
Typical of up to 48 loads
Line Voltage
LMCP Panel

Class 2 wiring
#20 AWG up to 250'
#18 AWG up to 1000'

LMRJ Cables (CAT 5) Typical

ORDERING INFORMATION

MODEL	PANEL INTERIOR (Order Enclosure Separately)				
LMCP8	Network-capable lighting control panel with maximum of 8 relay capacity*				
LMCP24	Network-capable lighting control panel with maximum of 24 relay capacity*				
LMCP48	Network-capable lighting control panel with maximum of 48 relay capacity*				
	VOLTAGE OPTIONS				
	115/277	With 115/277 VAC supply			
	115/347	With 115/347 VAC supply			
	240	With 240 VAC supply			
		NUMBER OF HDR RELAYS INSTALLED			
		XXHD	Replace "XX" with number of HDR relays installed (max. of interior relay capacity)		
			NUMBER OF EMERGENCY RELAYS INSTALLED		
			XXEM	Replace "XX" with number of UL924 fail-safe emergency relays installed (max. of 24 relays, not available for 8 relay capacity panels)	
				EMERGENCY RELAY COIL VOLTAGE	
				115	115 VAC coil voltage
				240	240 VAC coil voltage
				277	277 VAC coil voltage
				347	347 VAC coil voltage

LMCP48 - 115/277 - 48HD - 24EM - 277

***Example:* LMCP48-115/277-48HD-24EM277**
48 Relay capacity panel with 115/277 VAC, 48 HDR relays, 24 Emergency relays, 277VAC coil voltage

*Order enclosure separately.

MODEL	ENCLOSURES ONLY			
LENC	Lighting panel enclosure			
	ENCLOSURE TYPE / SIZE			
	08	8 relay capacity		
	24	24 relay capacity		
	48	48 relay capacity		
		PANEL TYPE		
		F	Flush mounted style	
		S	Surface mounted style	

LENC - 24 - S

***Example:* LENC24S** 24 relay surface mounted enclosure.

Enclosure sold separately.

ACCESSORIES

HDR — Mechanically latching relay with 5-pin plug-in connector, pilot contacts, override switch

LMCT - 100 — Digital Wireless Configuration tool

RELATED PRODUCTS

LMUC-100 — Digital Ultrasonic Ceiling Mount Occupancy Sensor

LMSW-101-I-P — Digital 1-Button Wall Switch with Ivory plate

LMDX-100 — Digital Dual Technology Corner Mount Occupancy Sensor