CHLORIDE SYSTEMS

TYPE: _____

CATALOG NO.: _____

CPM

12 VDC, 50 and 75 Watt

Emergency Power for Support of Outdoor Emergency Luminaires

General Description

The Chloride CPM Series emergency power module is designed to support 12 VDC outdoor or indoor emergency luminaires located within close proximity of an emergency exit. The CPM power module can be recessed into either a mechanical or sheetrock ceiling and emergency power routed to building mounted exterior emergency luminaires and/or emergency luminaires located inside the building. The CPM Series emergency power module offers an inconspicuous alternative to wall-mounted emergency products used to support remote emergency luminaires.

Illumination

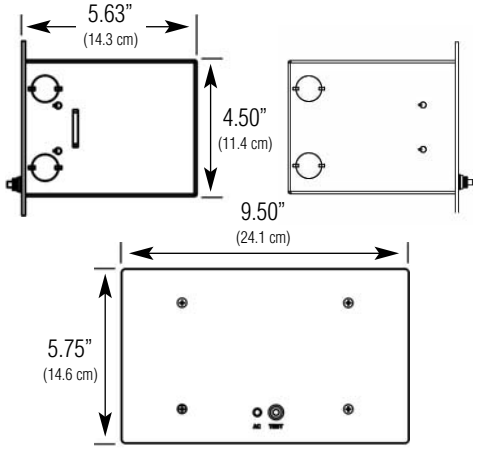
*See selections on back page

The CPM Series is a suggested emergency power source for the "PathMaster" interior/exterior low level LED Luminaire, the "CEF" MR16 exterior wall/soffit remote, and the "CRE" recessed MR16 exterior remote. (See back page) Any 12 VDC remote emergency luminaire can also be powered by the CPM power module.

Installation

The CPM Series, when installed in a mechanical ceiling system, utilizes a metal rough-in enclosure that can be secured to the ceiling structure via an optional bar hanger kit or via support cables suspending the unit from permanent building structures. Sheetrock ceiling installations allow the rough-in enclosure to attach to ceiling joists via screw hole knockouts in the enclosure. The trim plate is secured to the rough-in enclosure via four oval head screws. A safety hook device is supplied to support the trim plate during installation.

Dimensions



Dimensions are approximate and subject to change.

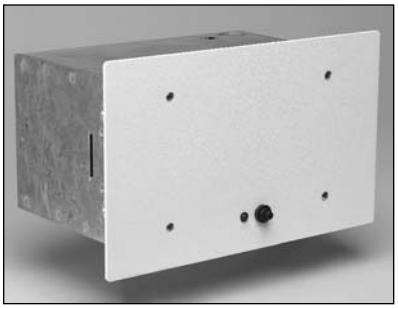
Housing

The CPM power module rough-in enclosure is fabricated from 20 gauge die formed galvanized steel.

The trim plate is fabricated from 12-gauge steel and is painted with a matte white powder coat finish.

The trim plate is also offered with an optional matte black finish.

Knockouts for conduit as well as screw hole knockouts for mounting to joist are conveniently located on the back box.



SHOWN: CPM50LW

Electronics

120/277 VAC, 60 Hz, Dual Input

The CPM Power module utilizes an automatic voltage regulated charging system.

The 2-state charger eliminates the need for periodic battery exercising.

It is recommended that a monthly load test of a minimum of (1) minute be performed and recorded to satisfy NFPA 101 life safety requirements.

A momentary test switch and normal power indicator lamp are located on the trim plate to assist testing and visual inspection of the product.

A pre-wired plug in receptacle is provided within the enclosure for routing 12 VDC emergency power to remote emergency luminaires.

Electrical Specifications

CPM50	120 VAC	.22 A
	277 VAC	.11 A
CPM75	120 VAC	.21 A
	277 VAC	.11 A
CPM50DL	120 VAC	.22 A
	277 VAC	.11 A

Operating Temperature Range

Standard Unit: 65°F (19°C) to 85°F (30°C)

Damp Location: 50°F (10°C) to 104°F (40°C)

Battery

The CPM Power module is supplied with maintenance free sealed lead calcium battery with a designed 5-year service life. The CPM50 Power module uses (2) 100-1-136 batteries. The CPM50 Power module will supply 50 watts at 12VDC for 90 minutes. The CPM75 uses two 100-1-188 batteries and will supply 75 watts at 12 VDC for 90 minutes.

Code Compliance

UL924 Listed

UL924 Damp location listed optional* (50° F to 104°F)

NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

*50 watt models only

Warranty

Three-year full electronics warranty
One year full plus four year prorated lead calcium battery warranty

Ordering Information (Example: CPM50LW)

CPM	[ ]	L	[ ]	—	[ ]
SERIES	OUTPUT WATTAGE	BATTERY	TRIM COVER FINISH		OPTIONS
CPM = Chloride Power Module	50 = 50 Watts 75 = 75 Watts	L = Sealed Lead Calcium	W = White B = Black		DL = Damp Location* TD = Time Delay (15 min)

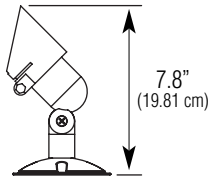
ACCESSORIES (order as a separate line item)
BHK1= Bar hanger kit for mechanical ceilings

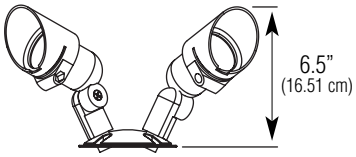
*Damp Location Available on 50W Version Only

Recommended Product Selection to be used with the CPM Series

Additional "CEF Series" Luminaire Selections (MR16 Illumination)

*Maximum of 75 watts of connected luminaires can be operated by the CPM Series





SHOWN: CEF1RBZ20WF

SHOWN: CEF2RBZ20WF

CEF				
SERIES	**NUMBER OF HEADS**	**TYPE OF MOUNTING PLATE**	**COLOR**	**MR16 LAMP TYPE**
CEF = Decorative Outdoor Remote Head	1 = Single Remote Head 2 = Double Remote Head	R = 4" Round Mounting Plate S = Single Gang Rectangular Mounting Plate	BK = Black BZ = Bronze	Blank = No Lamps Installed 20WF = 12 Volt, 20 Watt Wide Flood 40° 35FL = 12 Volt, 35 Watt Flood 25° 35WF = 12 Volt, 35 Watt Wide Flood 40° 50FL = 12 Volt, 50 Watt Flood 25° 50WF = 12 Volt, 50 Watt Wide Flood 40°

ACCESSORIES
(order as a separate line item)

ORBBK = Outdoor 4" Round Surface Mount Junction Box, Black
ORBBZ = Outdoor 4" Round Surface Mount Junction Box, Bronze
OSBBK = Outdoor Single Gang, Surface/Recessed 2¾" x 4½" Junction Box, Black
OSBBZ = Outdoor Single Gang, Surface/Recessed 2¾" x 4½" Junction Box, Bronze

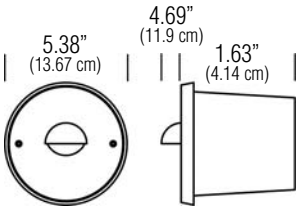
Additional "CRE Series" Luminaire Selections (MR16 Illumination)

*Maximum of 75 watts of connected luminaires can be operated by the CPM Series

*Lamps sold separately

SERIES

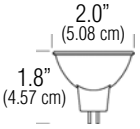
CREBK = Outdoor Remote Head Recessed, Black
CREBZ = Outdoor Remote Head Recessed, Bronze



SHOWN: CREBK

MR16 Lamp Options

Description	How to Order
12 Volt, 20 Watt, 40° beam spread	12MR20WFL
12 Volt, 35 Watt, 25° beam spread	12MR35FL
12 Volt, 35 Watt, 40° beam spread	12MR35WFL
12 Volt, 50 Watt, 25° beam spread	12MR50FL
12 Volt, 50 Watt, 40° beam spread	12MR50WFL



Additional "PathMaster" Luminaire Selections (White LED Illumination)

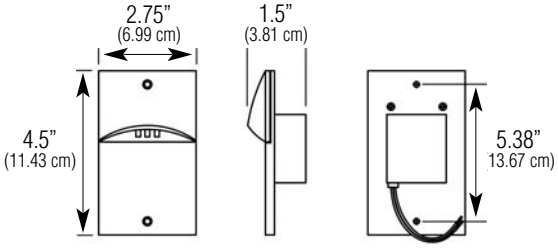
*Maximum of (8) luminaires on high setting, can be operated by the CPM50 Series

*Maximum of (13) luminaires on high setting can be operated by the CPM75 Series

*Consult factory for custom colors

SERIES

P1CBK = Outdoor LED Luminaire, Black
P1CWH = Outdoor LED Luminaire, White
P1CIV = Outdoor LED Luminaire, Ivory



SHOWN: P1CBK

SUGGESTED SPECIFICATION

Furnish and install Chloride's recessed emergency lighting model _____. The unit shall be constructed to meet Underwriter's Laboratories, Inc standard 924 and the National Electrical Code (NEC).

INSTALLATION AND OPERATION - Unit shall be easily field connected to a 120 or 277 VAC, 60 hertz, unswitched power source. The installation must comply with the NEC as well as other applicable codes. Upon utility power failure or brownout, the unit shall automatically and instantaneously transfer to battery power and maintain the required illumination for a minimum period of 90 minutes. Upon restoration of utility power, the charger shall restore the battery to full charge within UL 924 requirements following a rated discharge of not more than 90 minutes.

CHARGING CIRCUITRY - The product shall utilize a fully automatic, voltage regulated charging system. The charging system shall maintain the battery at full capacity without the need for periodic exercising or equalization. The following features shall be standard: Low voltage disconnect (LVD), Brownout protection and a labor saving AC lockout which allows the contractor to fully connect the unit during installation prior to energizing the unit with utility line voltage.

BATTERY - The battery shall be sealed, maintenance-free lead calcium with a designed life of 5 to 7 years under ambient temperatures of 65° F to 85° F. The lead calcium battery shall be fully warranted for a period not less than one year.

HOUSING - The recessed back box shall be constructed of 20 gauge galvanized steel and be capable of installation into mechanical (T-bar) or sheet rock ceilings. The faceplate shall be constructed of 12 gauge steel and provide manual test switch and AC-on indicator status.

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

CHLORIDE SYSTEMS

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