



MC SERIES

TYPE: _____

CATALOG #: _____

NOTES: _____



6 or 12 Volts Emergency Unit

**Sealed Maintenance-Free
Lead Calcium or
Nickel-Cadmium Battery**



The **Lightalarms MC Series** emergency battery unit incorporates performance and labor-saving features, normally found only in higher capacity units, in a economical compact housing design. The **MC Series** is ideally suited for commercial applications where space, performance and ease of installation are required.

Features

Reliability

The **MC Series** has a three year full warranty (excluding lamps and fuses).

Unit Data

Compact steel cabinet with corrosion-resistant undercoating standard color is "mist white", black available as an option. The **MC Series** has rear keyhole mounting slots and is designed to mount directly to any standard 4" junction box.

Lamp

Standard unit furnished with two, Par 18 size heads constructed of impact resistant, flame retardant thermoplastic heads complete with 6-watt, MR16 halogen lamps. Also available up to 20W(MH20) high output illumination.

Solid State Charger

- Automatic, temperature compensated type charger.
- High capacity, automatic, dust-tight instantaneous transfer relay.
- Low voltage disconnect prevents over discharge of battery. Automatic brownout protection is provided.
- Labor saving AC line latch prevents battery discharge during installation to a non-energized circuit.
- Fused output circuit.
- Optional Improved Diagnostics comes with a micro controller based pulse type charger.

Power Requirements

120/277Vac 60Hz, 0.3/0.15 Amp

Power Consumption

Model #	AC Input	Maximum	
		Input Current	Input Power
MC	120 Vac	0.20 A	24 W
	277 Vac	0.08 A	24 W
MC12	120 Vac	0.24 A	30 W
	277 Vac	0.12 A	30 W

Typical Specification

Supply and install the **Lightalarms MC Series** of battery units. The equipment shall include a metal cabinet made of steel with anti-corrosion undercoating. The emergency heads shall be made of fire-retardant thermoplastic; they shall be installed at the top of the unit and shall require no tools for adjusting or aiming. The equipment shall have dual-voltage AC input 120/277Vac, 60Hz and an output of: ____ Volts ____ Watts. The equipment shall come complete with two emergency lamps of ____ Watts.

The battery charger shall be factory set with a charging voltage tolerance of $\pm 1\%$ to enable a longer battery life. The unit equipped with optional Improved Diagnostic micro-controller board shall self-test 1 minute every 30 days, 30 minutes every 6 months and 90 minutes every 12 months. The unit shall be supplied with a test switch and diagnostic LED indicator lights to continuously monitor the status of the unit: Battery Failure, Battery Disconnect, Charger Failure, Lamp Failure, Service Alarm, main voltage AC "ON", Charger High Rate. The unit shall be UL listed.

The unit shall be **Lightalarms Model - MC** _____.

Unit Rating

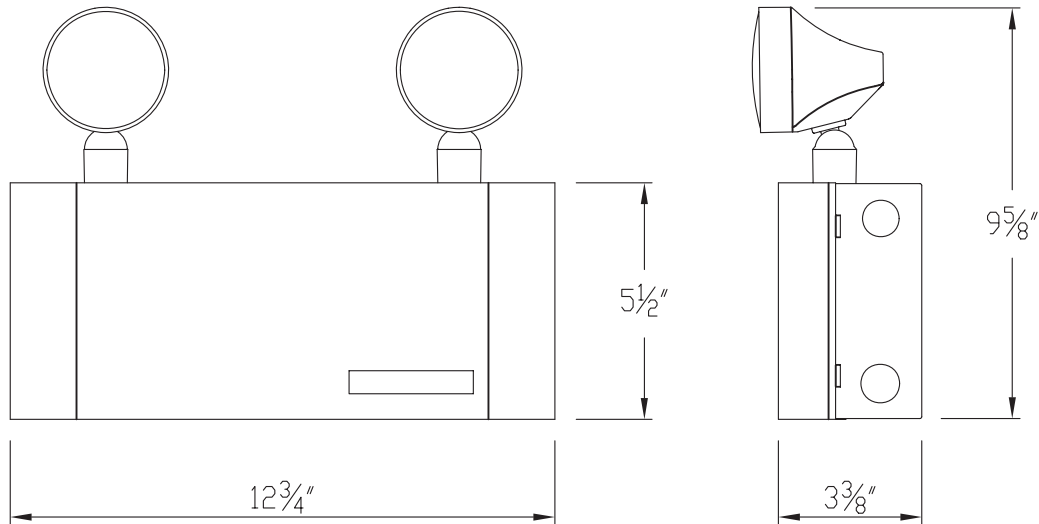
Furnished standard with two MR16 6V6W

Battery Type	Volts	Model #	Watts to 87.5% of rated battery voltage*			
			1 1/2 hrs.	2 hrs.	3 hrs.	4 hrs.
Lead-Calcium	6	MCG	18	12	10	-
		MCG1	20	15	12	-
		MCG2	27	18	15	9
		MCG3	30	20	18	10
		MCG4	36	27	20	12
		MCG5	40	30	24	15
	12	MC12G1	36	27	20	12
		MC12G2	40	30	24	15
Nickel-Cadmium	6	MCN1	20	18	12	-
	12	MC12N1	36	24	15	12
		MC12N2	50	36	24	18

* National Electrical Code Specification

Specifications For Series MC

Dimensions are approximate and subject to change without notice.



Battery Warranty*

Sealed Lead-Calcium: 3-year Full Warranty, plus 3-year pro rata warranty, 8-year life expectancy.

Sealed Nickel-Cadmium: 5-year Full Warranty, 7-year pro rata warranty, 15-year life expectancy.

Unit Warranty*

Unit equipment (except battery and lamps): 3-year limited warranty.

**Subject to proper installation and maintenance*

Options

(Add Suffix to Model No.)

Suffix

Improved Diagnostics-ID

Improved Diagnostics, Non-Audible.....-IDNA

Ordering Information

Example: 2MCG/ELF3-M6-M

Number of Heads	Series/D.C. Voltage/Capacity	Lamp type	Lamp type	Color	Options
0= no heads 1= One Head 2= Two Heads	MCG = 6V - 18W, lead calcium MCG1 = 6V - 20W, lead calcium MCG2 = 6V - 27W, lead calcium MCG3 = 6V - 30W lead calcium MCG4 = 6V - 36W lead calcium MCG5 = 6V - 40W lead calcium* MC12G1 = 12V - 36W, lead calcium MC12G2 = 12V - 40W, lead calcium MCN1 = 6V - 20W, Ni-cad MC12N1 = 12V - 36W, Ni-cad MC12N2 = 12V - 50W, Ni-cad <i>* Not available with ID/IDNA Option</i>	/ELF3 = mini plastic MR16	-M5 = MR16, 6V 5W -M6 = MR16, 6V 6W -M10 = MR16, 6V 10W -M12 = MR16, 12V 12W -M20 = MR16, 12V 20W -MH20 = 12V 20W High output	-M = mist white enamel finish -B = black enamel finish	-ID = improved diagnostics -IDNA = improved diagnostics non-audible



Thomas&Betts