

Job Name: \_\_\_\_\_

Type: \_\_\_\_\_

Part #: \_\_\_\_\_

Notes: \_\_\_\_\_

# LSM4

## Internal Specifications:

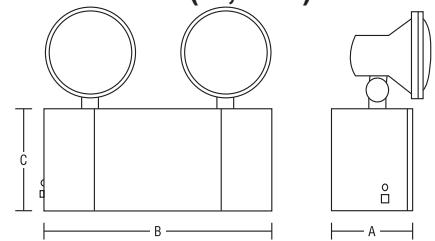
The LSM4 is configured with 120/277V input with solid state charging circuitry. Standard features include low voltage disconnect, AC lockout and brownout protection.

## External Specifications:

The LSM4 is constructed with a 20 gauge steel cabinet in a white powder coat finish (other colors optional). Terminal connectors allow for larger gauge wires to be connected for remote loads. White powder coat finish is standard (other colors optional). MR16 and PAR style lamp heads are available in LED & incandescent. Universal mounting pattern and key hole slots are stamped on the back and conduit knockouts on the sides of each unit.



Dimensions (in,mm.)



Cabinet	A	B	C
10-24W	3 1/2"	11 1/8"	6 1/8"
	90mm	283mm	156mm

## Ordering Logic

Series	Operation	Pb-A (Capacity)	Ni-Cd (Capacity)	Emergency Heads	Mounting	Lamps	Options	
LSM4	6V	10 (6V, 12V)	15 (6V)	0 (no heads)	TM (top mount)	See lamps	AT (autotest)	
		12V	22 (12V)	1LR (single PAR36)	SM (side mount)	selection on	CC (custom color- specify)	
	12V	24 (6V)	24 (6V)	2LR (double PAR36)	FM (front mount)	next page	CS120 (cord set, 120V only)	
				3LR (triple PAR36)			IRT <sup>2</sup> (infrared testing)	
				1SR (single PAR18)				NC <sup>3</sup> (Ni-Cd battery)
				2SR (double PAR18)				TC (Teflon coated lenses)
				3SR (triple PAR18)				TD <sup>4</sup> (time delay- 0, 5, 10, 15)
				1BTMR (single, MR16)				TP (tamper proof screws)
			2BTMR (double, MR16)					

NOTE 1: Specify type- open/closed dry contact.

NOTE 2: HHC (controller for IRT) should be ordered separately (item code:476000021). NOTE 3: NC (select wattage/voltage from Ni-Cd column).

EXAMPLE: LSM4-12-35-2LR-TM

DESCRIPTION: 12V, 35W, double PAR36, top mount

NOTE 4: Must specify single AC voltage and time delay at time of order, 10 min standard.

NOTE 5: 220V option available please contact factory.



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## Emergency Heads

The LSM4 is normally supplied with two (2) LED MR16 or incandescent PAR lamp heads. The LSM4 can be configured with front, side or top mounted heads, please specify when ordering. Both lamp head styles are constructed of high impact thermoplastic in a color matching the finish of the cabinet (white is standard). Both head types feature a unique twist locking collar that securely holds the lens and facilitates quick and easy re-lamping.

## Electrical Specifications:

**BATTERY:** The LSM4 is designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 90 minutes (for the listed rating). Recharge time of the battery is 24 hours. The operating temperature is 10°C to 40°C. Nickel cadmium batteries are available as an option.

**CIRCUIT:** The LSM4 utilizes a high-efficiency two stage charger providing precise float voltage control with low voltage disconnect protection. All components used in the circuitry are temperature compensated. The charger also has brownout and short circuit protection. Charger status is easily determined via a dual diagnostic LED display which indicates AC/ON and High Charge. An external push button test switch allows maintenance personnel to quickly determine the operational status of the unit and lamp load.

## Mechanical Specifications:

The LSM4 is constructed with a 20 gauge steel cabinet. Terminal connectors allow for larger gauge wires to be connected for remote loads. White powder coat finish is standard (other colors optional). Universal mounting pattern and key hole slots are stamped on the back and conduit knockouts on the sides of each unit. External test switch and monitor LED are standard. The hinged curved front panel conveniently opens and allows full access to the housing for easy installation and general maintenance. The LSM4 emergency heads feature a twist locking collar that securely holds the lens in place and facilitates quick and easy relamping.

## Autotest

The Autotest system performs one 5 minute discharge test monthly. Every 6 months two 90 minute discharge tests are performed. This tests both full battery capacity and recharge capability, as required by the fire code. The information is communicated simply and intuitively to maintenance personnel via a single multi-color LED. The Autotest system also includes 0, 5, 10 or 20 minute time Autotest delay function to allow a building's HID lighting to restrike. Optional IRT with one button press tests unit for 90 minutes per code.

- Red: Battery or Circuit Malfunction
- Yellow: Lamp Malfunctioning
- Green: Normal Operation

## Lamp Selection

	6V	12V
Incandescent	7.2, 9W	9, 12, 18W
Halogen (H)	12W	12, 20W
MR16 LED	5, 7W	2, 5, 7W

## Model Rating Guide

Model	Voltage	Wattage		
		90min	120min	180min
LSM4-6-10	6	10	8	5
LSM4-6-15*	6	15	12	8
LSM4-6-24	6	24	18	12
LSM4-12-10	6	10	8	5
LSM4-12-22	6	22	17	11

\* Indicates Ni-Cd battery

## Warranty

The LSM4 comes with a 3-year factory warranty. Lamps are not covered under the warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.

