



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

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

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

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

# LSM12 INDOOR | BAA

## SPECIFICATIONS: INTERNAL

The LSM12 is configured with 120/277V input and 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. Charger status is easily determined via a dual diagnostic LED display. Standard features include low voltage disconnect, AC lockout and brownout protection.

## SPECIFICATIONS: EXTERNAL

The LSM12 is constructed with a 20 gauge steel cabinet. Terminal connectors allow for larger gauge wires to be connected for remote loads. The universal mounting pattern stamped into the back of the unit allows for direct mounting to various conduit boxes. Key hole slots are also provided for additional mounting possibilities. Stamped conduit knockouts are supplied standard on all EST units, providing the widest range of options for AC power source connection.

## EMERGENCY HEADS

The LSM12 is supplied with two (2) top mounted LR PAR36 style 9W heads. Optional heads available include the SR PAR18 style heads or the BTMR white steel heads utilizing MR16 lamps. Lamp heads can be mounted either on the top or on the sides of the unit allowing for up to five (5) heads to be mounted on the largest units (3 top, 2 side). The 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.

## SPECIFICATIONS: ELECTRICAL

**BATTERY:** The LSM12 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. An optional Nickel-Cadmium battery is available.

## WARRANTY

The LSM12 comes with a 3-year factory warranty. Lamps are not covered under the warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.

## ORDERING INFORMATION

MODEL	OPERATION	Pb-A (Capacity)	Ni-Cd <sup>3</sup> (Capacity)	Emergency Heads	Lamps	OPTIONS
LSM12	6V	27 (6V, 12V)	42 (6V, 12V)	2LR (double PAR36)	See Chart on Next Page	AM (ammeter)
	12V	36 (6V, 12V)	54 (6V)	1LR (single PAR36)		AT (autotest)
	24V	60 (6V, 12V)	90 (6V, 12V)	2SR (double PAR18)		B (black finish)
		72 (6V, 12V)	100 (24V)	1SR (single PAR18)		BZ (buzzer)
		100 (6V)	140 (12V)	2BTMR (double, MR16)	CC (custom color- specify)	CS120 (cord set, 120V only)
		120 (6V, 12V)		1BTMR (single, MR16)		FA <sup>1</sup> (fire alarm interface)
		140 (12V)		2SRA (AL, double, PAR36)*		HHC (hand held controller)
				1SRA (AL, single, PAR36)*		IRT <sup>2</sup> (infrared testing)
				0 (no heads)		NC <sup>3</sup> (Ni-Cd)
						TP (tamper proof screws)
						TD <sup>4</sup> (time delay - specify 5, 10, 15 min)
						VM (voltmeter)

[1]NOTE: Specify type- open/closed dry contact.  
 [2]NOTE: Specify voltage.  
 [3]NOTE: Must select NC from options and indicate wattage/voltage from Ni-Cd column.  
 [4]NOTE: Must specify at time of order. Specify voltage  
 \*\* Aluminum heads not rated for wet location.



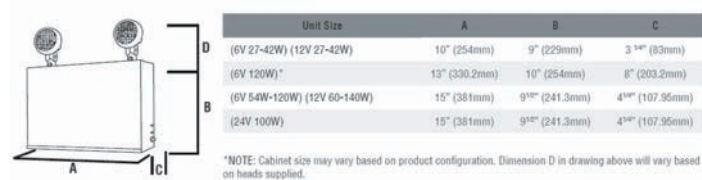
## SPECIFICATIONS: MECHANICAL

Remote lamp loads are connected to the emergency power supply with sturdy terminal connectors. These connectors allow for a large gauge of wire to be used increasing the flexibility of installation. The LSM12 is supplied standard in a durable white powder coat, baked finish. Other colors are available, including custom color matching, please specify.

## AUTOTEST

The Autotest system (optional) 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 delay function to allow HID lighting to restrike. IRT one button press tests unit for 90 minutes per code.

## DIMENSIONS



Sample Part Number: **LSM12-65-2LR-20W(H)-TD(277)**



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

**lamp selection: (seal beam only in LR PAR36 style head)**

		12V	
Incandescent	9W, 12W 18W - PAR36 Only	9W, 12W, 18W 25W - PAR36 Only	9W, 18W
Halogen (H)	8W, 10W, 12W, 20W	8W, 12W, 20W 35W & 55W - PAR36 Only	12W, 20W 70W-PAR36 Only
Sealed Beam Tungsten (SB)	9W, 12W, 18W, 25W, 30W	12W, 18W, 25W, 30W, 35W	N/A
Sealed Beam Halogen (HSB)	8W, 12W, 20W	8W, 12W, 30W	N/A
MR16	10W	10W, 12W, 20W, 35W, 50W	12W, 20W, 35W, 50W
LED MR16 (SR or BTMR)	5W	5W, 7W	5W, 7W

**model rating guide Pb-A (Capacity)**

Model	Input Voltage	Wattage Rating 90 Minutes
LSM12-6-27	6	27
LSM12-6-36	6	36
LSM12-6-60	6	60
LSM12-6-72	6	72
LSM12-6-100	6	100
LSM12-6-120	6	120
LSM12-12-27	12	27
LSM12-12-36	12	36
LSM12-12-60	12	60
LSM12-12-72	12	72
LSM12-12-120	12	120
LSM12-12-140	12	140

**model rating guide Ni-Cd (Capacity)**

Model	Input Voltage	Wattage Rating 90 Minutes
LSM12-6-42	6	42
LSM12-6-54	6	54
LSM12-6-90	6	90
LSM12-12-42	12	42
LSM12-12-90	12	36
LSM12-12-130	12	130
LSM12-24-100	24	100