

Job Name: _____
 Type: _____
 Part #: _____
 Notes: _____

EM12

STANDARD



Specifications: Internal

The EM12 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

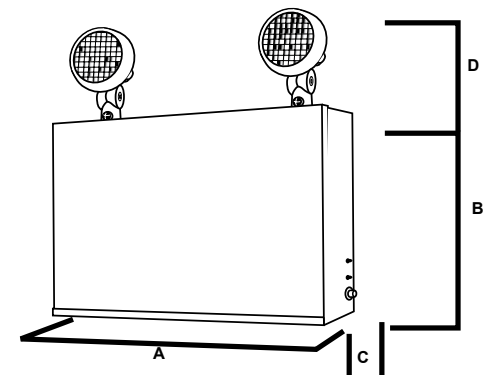
The EM12 is constructed with a 20 gauge steel cabinet. Terminal connectors allow for larger gauge wires to be connected for remote loads. The universal mounting pattern stamped into the back of the unit allows for direct mounting to various conduit boxes. Key hole slots are also provided for additional mounting possibilities. Stamped conduit knockouts are supplied standard on all EM12 units, providing the widest range of options for AC power source connection.

Emergency Heads

The EM12 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.



DIMENSIONS



Ordering Logic

PRODUCT NUMBER	EEST	Operation:	Battery:	Emergency Heads:	Lamps:	Options:
Series	Operation	Lead Acid	Nicad	Emergency Heads	Lamps	Options
EM12	6	27 (6V,12V)	42 (6V, 12V)	2LR (double PAR36)	See lamp selection on next page	AM (ammeter)
	12	36 (6V,12V)	54 (6V)	1LR (single PAR36)		AT (autotest)
	24	60 (6V, 12V)	90 (6V, 12V)	2SR (double PAR18)		B (black finish)
		72 (6V, 12)	100 (24V)	1SR (single PAR18)		BZ (buzzer)
		100 (6V)	130 (12V)	2BTMR (double, MR16)		CC (custom color- specify)
		120 (6V, 12V)		1BTMR (single, MR16)		CS120 (cord set, 120V only)
		140 (12V)		2SRA (AL, double, PAR36)*		FAI ¹ (fire alarm interface)
				1SRA (AL, single, PAR36)*		HHC (hand held controller)
				0 (no heads)		IRT ² (infrared testing)
						NC ³ (Ni-Cd)
						TD ⁴ (time delay - specify 5, 10, 15 min)
						TP (tamper proof screws)
						VM (voltmeter)
						ACTB (terminal black ac)
						DCTB (terminal black dc)

NOTE 1: Specify type- open/closed dry contact.
 NOTE 2: Specify voltage.
 NOTE 3: Must select NC from options and indicate wattage/voltage from Ni-Cd column.
 NOTE 4: Must specify at time of order. Specify voltage
 ** Aluminum heads not rated for wet location.
 EXAMPLE: EEST-12-60-2LR-20W(H)-TD(277)
 DESCRIPTION: 12V, 60W, double PAR36, 20W halogen lamps, time delay

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Specifications: Electrical

BATTERY: The EM12 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. The operating temperature is 50°F to 104°F (10°C to 40°C).

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 EM12 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.

Warranty

The EM12 comes with a 3-year factory warranty. Lamps are not covered under the warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.

Model Rating Guide Ni-Cd (Capacity)

Model	Input Voltage	Wattage Rating 90 Minutes
EM12-6-42	6	42
EM12-6-54	6	54
EM12-6-90	6	90
EM12-12-42	12	42
EM12-12-90	12	90
EM12-12-130	12	130
EM12-24-100	24	100

Model Rating Guide Pb-A (Capacity)

Model	Input Voltage	Wattage Rating 90 Minutes
EM12-6-27	6	27
EM12-6-36	6	36
EM12-6-60	6	60
EM12-6-72	6	72
EM12-6-100	6	100
EM12-6-120	6	120
EM12-12-27	12	27
EM12-12-36	12	36
EM12-12-60	12	60
EM12-12-72	12	72
EM12-12-120	12	120
EM12-12-140	12	140

Unit Size	A	B	C
(6V 27-42W) (12V 27- 24W)	10" (254mm)	9" (229mm)	3 1/4" (83mm)
(6V 120W)*	13" (330.2mm)	10" (254mm)	8" (203.2mm)
(6V 54W-120W) (12V 60-140W)	15" (381mm)	9 1/2" (241.3mm)	4 1/4" (107.95mm)
(24V 100W)	15" (381mm)	9 1/2" (241.3mm)	4 1/4" (107.95mm)

*NOTE: Cabinet size may vary based on product configuration. Dimension D in drawing above will vary based on heads supplied.