

Job/Location: _____	Job Type: _____
Contractor: _____	Date: _____
Prepared By: _____	

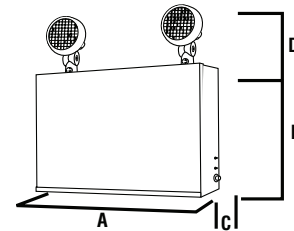


■ specifications: internal

The **ESM** 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 **ESM** 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 with key hole slots stamped into the back of the unit allows for direct mounting to various conduit boxes. Stamped conduit knockouts are supplied standard on all **ESM** units to optimize AC power source options



Unit Size	A	B	C
(6V 18-22W)	12 ^{1/4} " (311mm)	5" (127mm)	3" (76mm)
(6V 36W) (12V 36W)	10" (254mm)	9" (229mm)	3 ^{1/4} " (83mm)
(6V 42-90W) (12V 42-60W)	13 ^{1/2} " (343mm)	10 ^{1/8} " (257mm)	4 ^{1/4} " (108mm)
(12V 90W)	13" (330mm)	10 ^{1/8} " (257mm)	8 ^{1/2} " (216mm)

NOTE: Cabinet size may vary based on product configuration. Dimension D in drawing above will vary based on heads supplied. First two sizes are 20 gauge steel, the two largest sizes are 18 gauge.

■ ordering logic

EXAMPLE: ESM-618-2LR9W-AT

Series	Operation	Pb-A (Capacity)	Ni-Cd ¹ (Capacity)	Emergency Heads	Lamps	Options
ESM	6 (V)	18 (6V)	22 (6V)	0 (no heads)	See lamp selection	AM (ammeter)
	12 (V)	36 (6V, 12V)	42 (6V, 12V)	1LR (single, PAR36)	on next page	AT (autotest)
		60 (6V, 12V)	90 (6V, 12V)	2LR (double, PAR36, std)		CC (custom color- specify)
				1BTMR (single, MR16)		CS120 (cord set, 120V only)
				2BTMR (double, MR16)		FAI ² (fire alarm interface)
				1SRE (double, LED module)		IRT ³ (infrared testing)
				2SRE (double, LED module)		NC ¹ (Ni-Cd)
				1TESSQ (single, TESTA)		SM (side mounted heads)
				2TESSQ (double, TESTA)		TP (tamper proof screws)
						TD ⁴ (time delay - specify 5, 10, 15 min)
						VM (voltmeter)

NOTE 1: For nickel-cadmium battery, select NC from options and capacity from Ni-Cd column

NOTE 2: Specify type of fire alarm signal: normally open, normally closed or 6, 12, 24VDC (specify voltage used)

NOTE 3: HHC (controller for IRT) should be ordered separately (item code:47600021)

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

■ emergency heads

The **ESM** is supplied standard with two (2) top mounted LR PAR36 style heads with 9W Incandescent lamps. BTMR style heads with LED MR16 lamps and SRE LED module heads are optional. Lamp heads can be mounted either on the top or on the sides of the unit allowing for up to four (4) heads to be mounted on the largest units (2 top, 2 side or 3 on top). 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 **ESM** is designed with a maintenance free, sealed valve regulated lead acid battery or Ni-Cd 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.

■ 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 **ESM** is supplied standard in a durable white powder coat, baked finish. Other colors are available, including custom color matching, please specify.

■ autotest

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

■ lamp selection

	6V	12V
Incandescent (LR)	9W	9W
MR16 LED (BTMR)	5, 7W	2, 5, 7W
LED Module (SRE)	3, 4W	3, 4W
TESSQ	N/A	5, 9, 14W

■ model rating guide Pb-A (Capacity)

Model	Input Voltage	Wattage Rating 90 Minutes
ESM-6-18	6	18
ESM-6-36	6	36
ESM-6-60	6	60
ESM-12-36	12	36
ESM-12-60	12	60

■ model rating guide Ni-Cd (Capacity)

Model	Input Voltage	Wattage Rating 90 Minutes
ESM-6-22	6	22
ESM-6-42	6	42
ESM-6-90	6	90
ESM-12-42	12	42
ESM-12-90	12	90