

Model: _____
 Job Name: _____
 Type: _____
 Date: _____



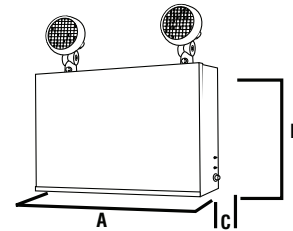
■ specifications: internal

The **HWE** is a specification grade unit, available with 6, 12 and 24 volt battery configurations, designed with two stage charging. The charging system offers superior performance and energy efficiency with solid state transfer, supplied with 120/277V.

■ specifications: external

The **HWE** is constructed with a 20 gauge steel cabinet. Terminal connectors allow for larger gauge wires to be connected for remote loads. White finish is standard (other colors optional). Standard PAR36 (LR) emergency lighting heads are molded from high impact thermoplastic in a matching color. MR16 (BTMR) and SRE LED module heads are also offered. Universal mounting pattern and key hole slots are stamped on the back and conduit knockouts on the sides of each unit.

■ dimensions (in,mm)



Unit Size	A	B	C
(6V 120W)	13.5" (343mm)	10 1/8" (257mm)	4 1/4" (105mm)
(6V 200W) (12V 140W)	13" (330mm)	10 1/8" (257mm)	8 1/2" (216mm)
(12V/ 24V 200W-360W)	18 1/8" (460mm)	10 1/8" (257mm)	8 1/2" (216mm)

■ ordering logic

EXAMPLE: HWE 12140 2LR9W AT

Series	Operation	Pb-A (Capacity)	Ni-Cd ³ (Capacity)	Emergency Heads	Lamps	Options
HWE	6 (V)	120 (6V)	130 (12V)	0 (no heads)	See lamp selection on next page	ACTB (terminal block AC)
	12 (V)	140 (12V)	200 (12V, 24V)	1LR (single PAR36)		AM (ammeter)
	24 (V)	160 (12V)	180 (12V)	2LR (double PAR36, std)		AT (autotest)
				3LR (triple PAR36)		BZ (buzzer)
	200 (6V)	1BTMR (single, MR16)	CC (custom color- specify)			
	280 (24V)	2BTMR (double, MR16)	CS120 (cord set, 120V only)			
	360 (12V, 24V)	1SR (single LED module)	DCTB (terminal block DC)			
		2SR (double LED module)	FAI ¹ (fire alarm interface)			
		1TESSQ (single, TESTA)	IRT ² (infrared testing)			
		2TESSQ (double, TESTA)	NC ³ (Ni-Cd)			
		TP (tamper proof screws)				
		TD ⁴ (time delay - specify 5, 10, 15 min)				
		VM (voltmeter)				

NOTE 1: Specify type of fire alarm signal: normally open, normally closed or 6, 12, 24VDC (specify voltage used)

NOTE 2: HHC (hand held controller for IRT) should be ordered separately (item code: 476000021)

NOTE 3: For nickel-cadmium battery, select NC from options and capacity from Ni-Cd column

NOTE 4: Must specify input voltage and time delay (10 min standard)

■ emergency heads

The **HWE** unit is supplied standard with two [2] top mounted 9W incandescent PAR36 lamps in LR style thermoplastic in a matching color. Optional LED lamp heads include: BTMR with MR16 LED lamps, LR with sealed beam LED, SR thermoplastic LED heads and TESTA die-cast aluminum square lamp heads. 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 sides). LR and BTMR heads feature a unique locking twist collar that securely holds the lens and facilitates quick and easy re-lamping.

■ specifications: electrical

BATTERY: The **HWE** 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 less than 48 hours. The maximum working temperature is 45°C. The minimum working temperature is 10°C. Nickel cadmium batteries are available as an option.

CIRCUIT: The **HWE** 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. The charger also has brownout and short circuit protection.

■ specifications: mechanical

The **HWE** is constructed with a 20 gauge steel cabinet in a white powder coat finish, other colors and custom color matching are available. Universal mounting pattern and key hole slots are stamped on the back and conduit knockouts on the sides of each unit.

■ autotest

The Beghelli 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 Beghelli Autotest system includes 0, 5,10 or 20 minute time Autotest delay function to allow HID lighting to restrike. IRT one button press tests unit for 90 minutes per code.

■ warranty

The **HWE** 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	24V
Incandescent	7.2, 9W	9, 12, 18W	9, 18W PAR36 only
Quartz	12W	12, 20W	N/A
MR16 LED	5, 7W	2, 5, 7W	5, 7W
TESSQ	N/A	5, 9, 14, 30W	5, 9, 14, 30W
Sealed Beam LED (PAR36 only)	N/A	6W	6W

■ model rating guide Pb-A (Capacity)

Model	Input Voltage	Wattage Rating 90 Minutes
HWE 6120	6	120
HWE 6200	6	200
HWE 12140	12	140
HWE 12160	12	160
HWE 12180	12	180
HWE 12360	12	360
HWE 24280	24	280
HWE 24360	24	360

■ model rating guide Ni-Cd (Capacity)

Model	Input Voltage	Wattage Rating 90 Minutes
HWE 12130	12	130
HWE 12200	12	200
HWE 24200	24	200