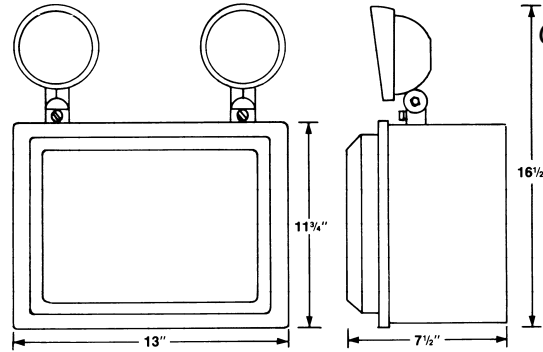




6 & 12 Volt Emergency Lighting Units for Division 2 Areas

Class I, Div. 2, Groups C & D
Class II, Div. 2, Group E, F & G

**Series meets requirements
for operation under
NEMA 1, 2, 3, 3R,
3S, 4, 4X, 12 and
13 conditions.**



Dimensions are approximate and subject to change.

application Series EN & EC (6 Volt) and E12N & E12C (12 Volt) self-contained emergency lighting units are designed to meet the specific requirements of Division 2 hazardous areas (Class I, Div. 2, Groups C & D, Class II, Div. 2, Groups E, F & G). Typical applications include any location where flammable materials are stored, handled, or pumped, adjacent areas where separation could break down under abnormal conditions, or virtually any public or private warehouse that stores hazardous material in drums, cartons, etc.

Features

■ **HOUSING:** Units are housed in water and corrosion resistant cabinets constructed from glass reinforced structural foam. Cabinets are fully sealed and gasketed and all external hardware is stainless steel. Door covers are hinged in such a way as to permit either retention of the hinge when opened or complete removal of the door. External electrical components, including test switch and indicator light, are explosion proof in design and exceed requirements for Division 2 areas. The battery compartment is vented by a one-way breather device to permit exhaust of battery gases and relief of internal pressure without admitting external water or corrosive liquids.

■ **ADVANCED ELECTRONICS:**

- Automatic solid state charger.
- Low voltage disconnect protects batteries against excessive discharge.
- Brownout protection circuit (Series EC, E12C).
- Dual input voltage 120V/277V, safety isolation transformer.
- Load relay with fused distribution circuit.

■ **CONTROLS:**

- Momentary test switch
- AC-ON indicator light

battery

Series EN and E12N units feature a 6 or 12 volt maintenance-free sealed, nickel-cadmium battery. The nicad battery features long life and superior resistance to temperature extremes. Series EC and E12C units feature a 6 or 12 volt maintenance-free sealed lead calcium battery.

lamp heads

Units are equipped with a choice of standard incandescent or halogen sealed beam lamps - see lamp chart below. Lamps are housed in industrial gray thermoplastic lamp shells with matching swivel. The sealed beam design completely isolates internal components from the atmosphere. Wire connections are silicone sealed.

options

(Add Suffix to Model No.) Suffix
Time Delay (12 min.)-TD
Voltmeter-V
Ammeter-A
Disconnect Switch-DS
Shatter resistant lamp coating.....-NFPA

accessories

(Order as separate item) Model
Guard.....WG3

ordering format

2 EC 100 / H7551 - TD
Number of heads Series Capacity Indicator Option (Time Delay)
Lamp Suffix

unit selection chart

Volts	Unit Model No.	Battery Type	Input Watts	Capacity in Watts to 87 1/2% of Nominal Battery Voltage			
				1 1/2 Hrs.	2 Hrs.	3 Hrs.	4 Hrs.
6	2EC50	Sealed Lead	18	50	40	30	22
	2EC100	Calcium	60	100	75	50	36
	2EN25	Sealed	40	25	20	13	9
	2EN50	Nicad	40	50	40	25	19
12	2E12C50	Sealed Lead	18	50	40	30	22
	2E12C100	Calcium	60	100	75	50	36
	2E12N50	Sealed Nicad	60	50	40	28	20

lamp chart

	Lamp Wattage	DC Voltage	Lumen Output	Lamp Type	Lamp Suffix (Add to Unit Model No.)
Use With 6-Volt EC, EN Series	8	6	180	Halogen Incand.	H7551
	18	6	220	Incand.	4014
	8	12	180	Halogen	4510
	18	12	220	Incand.	H7555
Use with 12-Volt E12C, E12N Series	18	12	220	Incand.	4414
	25	12	350	Incand.	4446