EDT

NEMA 4 & 4X | WET

BAA / ARRA   C CSA US

Job/Location: _____

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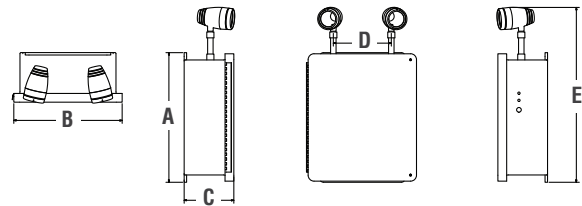
Prepared By: _____   Date: _____

■ specifications: internal

The EDT is configured with 120/277/347V input with solid state charging circuitry. Standard features include low voltage disconnect, AC lockout and brownout protection.

■ specifications: external

The EDT is constructed with a durable NEMA 4X rated fiberglass cabinet. Terminal connectors allow for larger gauge wires to be connected for remote loads. The EDT is supplied standard in an industrial grey fiberglass finish. NEMA 4X emergency lighting heads are available in grey die-cast aluminum. Integrated mounting holes ensure proper and secure installation. External test switch and monitor LED are standard.

■ dimensions (in,mm.)

Cabinet	A	B	C	D	E
1	11 7/16" 291mm	9 1/4" 235mm	5 7/16" 138mm	6 5/16" 160mm	16 1/2" 419mm
2	13 7/16" 343mm	11 1/4" 286mm	5 7/16" 138mm	8 5/16" 211mm	18 1/2" 470mm
3	15 1/2" 394mm	13 3/8" 340mm	6 1/4" 159mm	10 1/4" 260mm	20 1/2" 521mm
4	17 1/2" 445mm	15 3/8" 391mm	6 1/4" 159mm	12 1/4" 311mm	22 1/2" 305mm

■ ordering logic

Series	Operation	Pb-A (Capacity)	Ni-Cd[1] (Capacity)	Emergency Heads	Lamps	Options
EDT	6V	18 (6V)	22 (6V)	0 (no heads)	See lamp selection on next page	AM (ampmeter)
	12V	27 (6V, 12V)	42 (6V, 12V)	1SEA (one MR16 head)		AT (autotest)
	24V	36 (6V, 12V)	54 (6V)	2SEA (two MR16 heads)		CS (cord set, 120V only)
		60 (6V, 12V)	90 (6V, 12V)	1TESSQ (One head, HO)		NC[2] (nickel-cadmium battery)
		72 (6V, 12V)	100 (24V)	2TESSQ (Two heads, HO)		IH[3] (internal heater)
		100 (6V)	130 (12V)	1LR[2](single PAR36)		IRT[3] (infrared testing)
		120 (6V, 12V)	200 (12V, 24V)	2LR[2](double PAR36)		LD (Lamp disconnect)
		140 (12V)		3LR (triple PAR36)		OBM (Octagon box mount)
		160 (12V)				TD[3] (time delay- 0, 5, 10, 15 min)
		180 (12V)		[2]		TC[4] (Teflon® coating)
		200 (6V)				TLP (Twist lock plug, 120V only)
		280 (24V)				VM (voltmeter)
		360 (12V, 24V)				WG (wireguard)

NOTE 1: Nickel-cadmium. Must select NC from options when selecting Ni-Cd.
NOTE 2: Heads are supplied standard weatherproof.
NOTE 3: HHC (controller for IRT) should be ordered seperately (item code:476000021).
NOTE 4: Teflon® is a registered trademark of DuPont.™

EXAMPLE: EDT-6-18-2LR-10W(H)-AT
DESCRIPTION: 6V, 18W, double PAR36, 10W halogen lamps, autotest.

■ emergency heads

The **EDT** series units are supplied with two [2] top mounted weatherproof PAR36 large style heads when specified. Standard lamp heads are constructed of high impact thermoplastic in a black color. Optional black all rubber heads are also available with sealed beam lamps only. [4]Teflon® coating of the lamp lens (which inhibits shattering) is available for food preparation and hose down areas.

■ specifications: electrical

BATTERY: The **EDT** 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 48 hours. The maximum battery operating temperature is +40°C and the minimum is +10°C without internal heater option, with the internal heater the minimum operating temperature is -20°C. Nickel Cadmium batteries are available in several configurations.

CIRCUIT: The **EDT** utilizes a high-efficiency to 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.

■ specifications: mechanical

The **EDT** is constructed from a durable, fully gasketed NEMA 4 and 4X rated fiberglass housing. The front access panel/door is hinged for trouble-free installation and maintenance. Four integrated mounting holes ensure simple, secure and accurate wall installation. 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. MR16 NEMA 4X SEA heads are constructed of die-cast aluminum that has been sealed against moisture infiltration.

■ autotest

The Beghelli Autotest system performs one 5 minute discharge test monthly. Every 6 months to 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 is also available with 0, 5, 10 or 20 minute time delay function to allow HID lighting to restrike.

■ lamp selection

	6V	12V	24V
Incandescent	9W	9, 12, 18W	9, 18W
Halogen (H)	10, 12, 20W	12, 20 (55W - PAR36 only)	10, 12, 20, 50W
MR16	-	20, 35, 50W	-
MR16 LED	5, 7W	2, 5, 7W	5, 7W
TES	N/A	30W	30W

■ model rating guide

Model	Voltage	Wattage				Cabinet
		90min	120min	180min	240min	
EDT-6-18	6	18	13	9	6	1
EDT-6-27	6	27	20	13	10	1
EDT-6-36	6	36	27	18	13	1
EDT-6-42*	6	42	31	21	15	1
EDT-6-54*	6	54	40	27	20	2
EDT-6-60	6	60	45	30	22	2
EDT-6-72	6	72	54	36	27	2
EDT-6-90*	6	90	60	45	30	2
EDT-6-100	6	100	75	50	37	2
EDT-6-120	6	120	90	60	45	4
EDT-6-200	6	200	150	100	75	4
EDT-12-36	12	36	27	18	13	1
EDT-12-42*	12	42	31	21	15	1
EDT-12-60	12	60	45	30	22	2
EDT-12- 72	12	72	54	36	27	2,3
EDT-12- 90*	12	90	60	45	30	2,3
EDT-12-120	12	120	90	60	45	2,3
EDT-12-130*	12	130	97	65	48	2,3
EDT-12-140	12	140	105	70	52	2,3
EDT-12-160	12	160	120	80	60	3
EDT-12-180	12	180	135	90	67	4
EDT-12-200*	12	200	150	100	75	4
EDT-12-360	12	360	270	180	135	4
EDT-24-100	24	100	75	50	37	4
EDT-24-200*	24	200	150	100	75	4
EDT-24-280	24	280	210	140	105	4
EDT-24-360	24	360	270	180	135	4

*Ni-Cd battery
NOTE: Cabinet size may change based on configurations.

■ warranty

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