EDT

NEMA 4X · WET · BAA · UL CERTIFIED

Project: _____

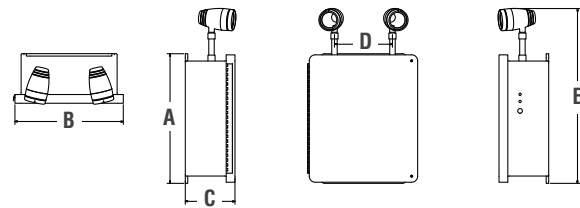Model: _____

Type: _____

Date: _____

■ 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.

■ 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 information

EXAMPLE: EDT654 2SEA5WLED NC

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

NOTE 1: Must select NC from options and indicate wattage/voltage from Ni-Cd column
NOTE 2: LR heads are supplied standard weatherproof
NOTE 3: Specify input voltage (For IRT controller, order HHC accessory separately- item# 476000021)
NOTE 4: Teflon® is a registered trademark of DuPont™

Technical

emergency heads

The **EDT** series units are supplied with two [2] top mounted weatherproof PAR36 LR 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.

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.

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.

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.

lamp selection

	6V	12V	24V
Incandescent (W)[1]	7.2, 9W	9, 12, 18W	9, 18W
Halogen (Q)[2]	12W	12, 20W	N/A
MR16 (W)[3]	N/A	50W	N/A
MR16 LED[4]	5, 7W	2, 5, 7W	5, 7W
TESTA[5]	N/A	5, 9, 14, 30W	5, 9, 14, 30W
SEALED BEAM LED[6]	N/A	6W	6W

NOTE 1: Available in LR lamp heads (ex: 2LR9W)
NOTE 2: Available in LR lamp heads (ex: 2LR12Q)
NOTE 3: Available in SEA lamp heads (ex: 2SEA50W)
NOTE 4: Available in SEA lamp heads (ex: 2SEA5WLED)
NOTE 5: Nomenclature example: 2TESSQ9W
NOTE 6: Available in LR lamp heads (ex: 2LR6WLEDSB)

model rating guide

Model	Voltage	Wattage				Cabinet
		90min	120min	180min	240min	
EDT 618	6	18	13	9	6	1
EDT 622NC	6	22	16	11	8	1
EDT 627	6	27	20	13	10	1
EDT 636	6	36	27	18	13	1
EDT 642NC	6	42	31	21	15	1
EDT 654NC	6	54	40	27	20	2
EDT 660	6	60	45	30	22	2
EDT 672	6	72	54	36	27	2
EDT 690NC	6	90	60	45	30	2
EDT 6100	6	100	75	50	37	2
EDT 6120	6	120	90	60	45	4
EDT 6200	6	200	150	100	75	4
EDT 1227	12	27	20	13	10	1
EDT 1236	12	36	27	18	13	1
EDT 1242NC	12	42	31	21	15	1
EDT 1260	12	60	45	30	22	2
EDT 1272	12	72	54	36	27	2,3
EDT 1290NC	12	90	60	45	30	2,3
EDT 12120	12	120	90	60	45	2,3
EDT 12130NC	12	130	97	65	48	2,3
EDT 12140	12	140	105	70	52	2,3
EDT 12160	12	160	120	80	60	3
EDT 12180	12	180	135	90	67	4
EDT 12200NC	12	200	150	100	75	4
EDT 12360	12	360	270	180	135	4
EDT 24100NC	24	100	75	50	37	4
EDT 24200NC	24	200	150	100	75	4
EDT 24280	24	280	210	140	105	4
EDT 24360	24	360	270	180	135	4

NOTE: Cabinet size may change based on configurations