

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

■ The **C1D2** emergency **UNIT** has been designed for use in harsh and hazardous environments.

The top mounted weather proof Par36 style emergency heads are fully adjustable for precise positioning. Constructed from high impact thermoplastic and color matched to the housing.

**Housing:** constructed from durable fiberglass, the NEMA 4X rated housing features integrated stainless steel mounting feet, a hinged front access panel/ door and is offered in a neutral gray color.

NOTE: 3 year warranty standard, see details on next page.



■ The **C1D2** features a stainless breather to provide safe and effective unit ventilation.

■ The **C1D2** is approved for use in Class I, Division 2, Groups A, B, C and D: T2B area classification. In addition, the **C1D2** is also suitable for Class I, Zone 2, IIA, IIB & IIC: T1 & T2 area classification.

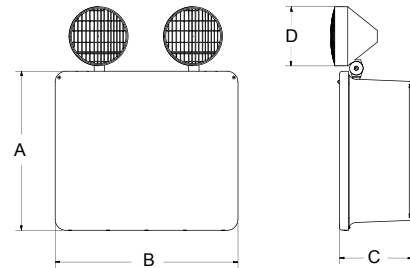
LED status indicator and magnetic test switch

## ■ specifications: internal

The C1D2 UNIT has a standard 120/277VAC universal input. The solid state, high efficiency, dual rate charger provides precise float voltage control and incorporates a low voltage disconnect for optimum protection.

## ■ specifications: external

The durable NEMA 4X fiberglass enclosure is corrosion and vandal resistant. The housing is fully gasketed and is supplied standard in an industrial gray finish. The C1D2 emergency UNIT can be surface mounted on a wall. Magnetic test switch and LED status indicator are standard.



Series	A	B	C	D
C1D2-U	13.5"	15.5"	6.25"	5.5"
	343mm	394mm	159mm	140mm

## ■ ordering logic

Series	Operation	Capacity (select Pb-A or Ni-Cd)		Emergency Heads	Lamps	Options
C1D2-U	6 (6V)	Pb-A	Ni-Cd <sup>[1]</sup>	4LR (quad PAR36)	See lamps	AT (autotest)
	12 (12V)		42 (6V, 12V)	3LR (triple PAR36)	selection on	NC <sup>[2]</sup> (nickel-cadmium battery)
		60 (6V, 12V)	54 (6V)	2LR (double PAR36)	next page	TD <sup>[3]</sup> (time delay- specify 5, 10, 20 mins)
		72 (6V, 12V)	90 (6V, 12V)	1LR (single PAR36)		TP (tamper proof screws)
		100 (6V)	130 (12V)	0 (no heads)		AM (ammeter)
		120 (6V, 12V)				VM (voltmeter)
		140 (12V)				FAI (fire alarm interface- specify)
		160 (12V)				TC (teflon coating)
		180 (12V)				SMH (side mount heads)
						WG (wireguard)

[1]NOTE: Must select NC from options when selecting Ni-Cd.

[2]NOTE: NC (select wattage/voltage from Ni-Cd column).

[3]NOTE: Specify AC input voltage.

## ■ ordering logic

Series	Operation	Capacity (select Pb-A or Ni-Cd)	Emergency Heads	Lamps	Options
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EXAMPLE: C1D2-U-12-72-2LRWP-8WH-WG

DESCRIPTION: C1D2 emergency unit, 12V operation, 72W capacity, two LR style heads, 8W halogen lamps, wireguard.

## ■ emergency heads

As standard, the C1D2 UNIT is supplied with two (2) top mounted, weatherproof Par36 style emergency heads. Constructed of high impact thermoplastic and finished in a neutral gray finish. The emergency head design features a locking collar that securely holds the lens in place and facilitates quick re-lamping.

## ■ specifications: electrical

The C1D2 UNIT is designed with maintenance free, sealed lead acid batteries providing a minimum emergency duration of 90 minutes. Recharge time for the battery is twenty-four [24] hours. Optional nickel cadmium batteries are available. Operating temperature 10°C up to 40°C.

The C1D2 UNIT 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. A magnetic test switch allows maintenance personnel to quickly determine the operational status of the unit and lamp load, (magnet included).

## ■ specifications: mechanical

The C1D2 UNIT housing is constructed from durable, corrosion resistant fiberglass. The NEMA 4X rated housing is fully gasketed for harsh and hazardous locations. The front access panel/door is hinged for trouble-free installation and maintenance. The C1D2 UNIT features a stainless stainless steel breather valve that proves efficient ventilation. Remote lamp loads are connected to the emergency power supply with sturdy terminal connectors.

## ■ autotest

The Mule Autotest feature automatically performs a 5 minute discharge test monthly. Every 6 months, two 90 minute discharge tests are performed 24 hours apart. This tests both the battery capacity and recharge capability. The status of the C1D2 UNIT is communicated clearly with a single, multi-color LED indicator.

## ■ lamp selection (ONLY PAR36 STYLE HEADS AVAILABLE)

	6V	12V
Composite Tungsten	9, 12, 18, 22W	9, 12, 18, 22W
Halogen	8W	8W

## ■ model rating guide

Model	Voltage	Wattage			
		90min	120min	180min	240min
C1D2-U-6-36	6	36	27	18	13
C1D2-U-6-42	6	42	31	21	15
C1D2-U-6-54	6	54	40	27	20
C1D2-U-6-60	6	60	45	30	22
C1D2-U-6-72	6	72	54	36	27
C1D2-U-6-90	6	90	67	45	33
C1D2-U-6-100	6	100	75	50	25
C1D2-U-6-120	6	120	90	60	45
C1D2-U-12-36	12	36	27	18	13
C1D2-U-12-42	12	42	31	21	15
C1D2-U-12-60	12	60	45	30	22
C1D2-U-12-72	12	72	54	36	27
C1D2-U-12-90	12	90	67	45	33
C1D2-U-12-120	12	120	90	60	45
C1D2-U-12-130	12	130	97	65	48
C1D2-U-12-140	12	140	105	70	52
C1D2-U-12-160	12	160	120	80	60
C1D2-U-12-180	12	180	135	90	67

## ■ warranty

The C1D2 UNIT comes with a 3-year factory warranty. Lamps are not covered under the warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.