

Job/Location: \_\_\_\_\_  
 Contractor: \_\_\_\_\_  
 Prepared By: \_\_\_\_\_

Job Type: \_\_\_\_\_  
 Date: \_\_\_\_\_

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

**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.

The exit face is clearly illuminated with high efficiency red or green LEDs.

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

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



■ **Installation:** The **C1D2 COMBO** is designed for surface wall mounting. Four stainless steel mounting feet provide simple, secure and accurate installation.

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

The **C1D2 COMBO** features top mounted weather proof Par36 style emergency heads are fully adjustable for precise positioning.

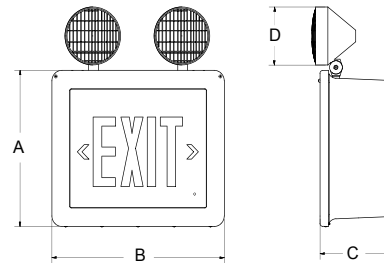
LED status indicator and magnetic test switch

## ■ specifications: internal

The C1D2 COMBO 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. High performance red or green LEDs properly illuminate the face.

## ■ 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 COMBO can be surface mounted on a wall. Magnetic test switch and LED status indicator are standard.



Series	A	B	C	D
C1D2-C	13.5"	15.5"	6.25"	5.25"
	343mm	394mm	159mm	140mm

## ■ ordering logic

Series	Operation	Capacity (select Pb-A or Ni-Cd)		LED	Face No.	Emergency Heads	Lamps	Options
C1D2-C	6 (6V)	Pb-A	Ni-Cd <sup>[1]</sup>	LR (red)	1 (single)	4LR (quad PAR36)	See lamps	AT (autotest)
	12 (12V)			LG (green)		3LR (triple PAR36)	selection on	NC <sup>[2]</sup> (nickel-cadmium battery)
		60 (6V, 12V)	54 (6V)			2LR (double PAR36)	next page	TD (time delay- specify 5, 10, 20 mins)
		72 (6V, 12V)	90 (6V, 12V)			1LR (single PAR36)		TP (tamper proof screw)
		100 (6V)	130 (12V)			0 (no heads)		AM (ammeter)
		120 (6V, 12V)						VM (voltmeter)
		140 (12V)						SW (special wording- specify)
		160 (12V)						FAI (fire alarm interface- specify)
		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).

## ■ builder

Series	Operation	Capacity (select Pb-A or Ni-Cd)	LED	Face No.	Emergency Heads	Lamps	Options

EXAMPLE: C1D2-C-6-36-LG1-2LRWP-8WH-VM

DESCRIPTION: C1D2 combo, 6V, 36W capacity, green LED, single face, two top mounted heads with 8W halogen lamps, voltmeter

## ■ emergency heads

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

The C1D2 COMBO 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 COMBO series housing is constructed from durable, corrosion resistant fiberglass. The NEMA 4X 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 steel breather valve that provides efficient ventilation. 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.

## ■ 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 COMBO 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 COMBO comes with a 3-year factory warranty. Lamps are not covered under the warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.