



C1D2 Combo Unit

HAZARDOUS | NEMA 4X | VANDAL RESISTANT



PROJECT: _____
FIXTURE TYPE: _____
LOCATION: _____
CONTACT/PHONE: _____



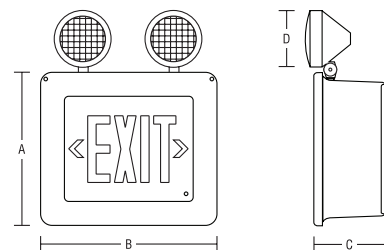
SPECIFICATIONS: INTERNAL

The C1D2 COMBO has a standard 120/277V 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.

DIMENSIONS



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



ORDERING INFORMATION

Series	Operation	Pb-A (Capacity)	Ni-Cd ¹ (Capacity)	LED	Face No.	Chevrons	Mounting	Heads ²	Lamps	Options
C1D2-C	6 (6V)	36 (6V, 12V)	42 (6V, 12V)	LR (red)	1 (single)	U (universal)	W (wall)	0 (no heads)	See lamp selection guide on next page.	AM (ammeter)
	12 (12V)	60 (6V, 12V)	54 (6V)	LG (green)				1LRWP		AT (auto-test)
		72 (6V)	90 (6V, 12V)					2LRWP		FAI ³ (fire alarm interface)
		100 (6V)	130 (12V)					3LRWP		NC ⁴ (nickel-cadmium battery)
		120 (6V, 12V)						4LRWP		SMH (side mount heads)
		140 (12V)								SW (special wording-specify)
										TC (teflon coating)
										TD ⁵ (time delay)

NOTE 1: Nickel-cadmium. Must select NC from options when selecting Ni-Cd.

NOTE 2: Only PAR-36 heads available.

NOTE 3: Specify type- open/closed dry contact.

NOTE 4: NC (select wattage/voltage from Ni-Cd column).

NOTE 5: Must specify 5, 10, or 20 min at time of order, 10 min standard.

EXAMPLE: C1D2-C-6-36-LG-1-U-W-2LRWP-9W-VM



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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

BATTERY: The C1D2 COMBO is configured with high output, high efficiency red or green LEDs that consume less than 2W. Configured with 120/277V input. Magnetic test switch and monitor LED. 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 forty-eight (48) hours. Operating temperature 10°C up to 40°C.

CIRCUIT: 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 COMBO 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.

The C1D2 COMBO has been designed to perform in applications where the environment would punish any standard unit. The entire internal cavity of the sign is protected from moisture ingress by an extremely resilient gasket. The gasketing always holds its original form and has “memory retention” so that it effectively and consistently protects the C1D2 COMBO from moisture.

HAZARDOUS APPROVALS

The C1D2 series is approved for use in Class 1, 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.

AUTO-TEST/SELF-DIAGNOSTIC

The Mule AT 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	9W	9W, 12W, 18W
Sealed Beam LED		6W

MODEL RATING GUIDE

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

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.