



MFC Series

Indoor Industrial Application Emergency



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



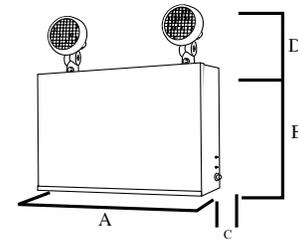
SPECIFICATIONS: INTERNAL

The MFC is a specification grade unit, available with 6, 12 and 24 volt battery configurations, designed with two stage charging. The charging system offers superior performance and energy efficiency with solid state transfer, supplied with 120/277V.

SPECIFICATIONS: EXTERNAL

The MFC is constructed with a 20 gauge steel cabinet. Terminal connectors allow for larger gauge wires to be connected for remote loads. White finish is standard (other colors optional). Emergency lighting heads are molded from high impact thermoplastic in a matching color; PAR36 (LR) style heads are standard. PAR18 (SR) style heads are optional. MR16 (BTMR) are also offered. Universal mounting pattern and key hole slots are stamped on the back and conduit knockouts on the sides of each unit.

DIMENSIONS



Unit Size	A	B	C
(12V 140W) (12V 200W / 24V 200W)	15" (385mm)	9 1/2" (241mm)	4 1/4" (105mm)
(6V-200W) (12V 140W-160W)	13" (330mm)	10" (254mm)	8" (203mm)
(12V 180-360W) (24V 280-360W)	18" (457mm)	10" (254mm)	8 3/8" (213mm)

NOTE: Cabinet size may vary based on product configuration. Dimension D in drawing above will vary based on heads supplied. Cabinet size for 12V 160W Pb-A varies. Please contact factory for sizing information.



ORDERING INFORMATION

Series	Operation	Pb-A (Capacity)	Ni-Cd ³ (Capacity)	Emergency Heads	Lamps	Options	
MFC	6V	120 (6V)	130 (12V)	3LR(triple PAR36)	See lamp selection	AM (ammeter)	
	12V	140 (12V)	200 (12V, 24V)	2LR(double PAR36)	on next page	SD (self-diagnostic)	
	24V	160 (12V)			1LR(single PAR36)		B (black finish)
		180 (12V)			2SR (double PAR18)		BZ (buzzer)
		200 (6V)			1SR (single PAR18)		CC (custom color- specify)
		280 (24V)			2MRB (double, MR16)		CS120 (cord set, 120V only)
		360 (12V, 24V)			1MRB (single, MR16)		FAI ¹ (fire alarm interface)
				2SRA(AL, double, PAR36)*		IRT ² (infrared testing)	
				1SRA(AL, single, PAR36)*		NC ³ (Ni-Cd)	
				0 (no heads)		TP (tamper proof screws)	
						TD ⁴ (time delay - specify 5, 10, 15 min)	
						VM (voltmeter)	
						ACTB (terminal block ac)	
						DCTB (terminal block dc)	

NOTE 1: Specify type- open/closed dry contact.
 NOTE 2: HHC (controller for IRT) should be ordered separately
 NOTE 3: Must select NC from options and indicate wattage/voltage from Ni-Cd column.
 NOTE 4: Must specify at time of order. Specify voltage
 **Aluminum heads not rated for wet location.

EXAMPLE: MFC-12-140-2LR-20W(H)-TD(10 min)



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EMERGENCY HEADS

The MFC unit is supplied with two [2] top mounted PAR36 small style 9 watt thermoplastic heads in a matching color, or MRB white steel heads utilizing MR16 lamps are also available option. SR PAR18 small style thermoplastic or MRB white steel heads utilizing MR16 lamps are also an available option.

Lamp heads can be mounted either on the top or on the sides of the unit allowing for up to four [4] heads to be mounted on the largest units (2 top, 2 sides). Both head types feature a unique locking twist collar that securely holds the lens and facilitates quick and easy re-lamping.

SPECIFICATIONS: ELECTRICAL

BATTERY: The MFC 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 less than 48 hours. The maximum working temperature is 45°C. The minimum working temperature is 10°C. Nickel cadmium batteries are available as an option.

CIRCUIT: The MFC 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. An external push button test switch allows maintenance personnel to quickly determine the operational status of the unit and lamp load. The charger also has brownout and short circuit protection.

SPECIFICATIONS: MECHANICAL

The MFC is constructed with a 20 gauge steel cabinet in a white powder coat finish, other colors and custom color matching are available. Universal mounting pattern and key hole slots are stamped on the back and conduit knockouts on the sides of each unit.

WARRANTY

The MFC 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	7.2, 9W	9, 12, 18W	9, 18W
Halogen (H)	10, 12W, 20W	12, 20W 55W - PAR36 Only	12, 20W 70W-PAR36 Only
MR16	-	20, 35W 50W	-
MR16 LED (SR or MRB)	5, 7W	2, 5, 7W	5, 7W

MODEL RATING GUIDE PB-A (CAPACITY)

Model	Input Voltage	Wattage Rating 90 Minutes
MFC-6-120	6	120
MFC-6-200	6	200
MFC-12-140	12	140
MFC-12-160	12	160
MFC-12-180	12	180
MFC-12-360	12	360
MFC-24-280	24	280
MFC-24-360	24	360

MODEL RATING GUIDE NI-CD (CAPACITY)

Model	Input Voltage	Wattage Rating 90 Minutes
MFC-12-130	12	27
MFC-12-200	12	36
MFC-24-200	12	27

SELF-DIAGNOSTIC

The Mule self-diagnostic system performs one 5 minute discharge test monthly. Every 6 months two 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 Mule Self-Diagnostic system includes 0, 5, 10 or 20 minute time self-diagnostic delay function to allow HID lighting to restrike. IRT one button press tests unit for 90 minutes per code.