



PATRIOT HZ Series - HAZARDOUS

C1D2 HAZARDOUS, VANDAL RESISTANT



PROJECT:

FIXTURE TYPE:

LOCATION:

CONTACT/PHONE:



SPECIFICATIONS: INTERNAL

The PATRIOT HZ comes standard with 120/277/347V input and is designed to perform in applications where the environment would punish any other unit. Lead acid battery is standard, Ni-Cad optional, provides a minimum emergency duration of 90 minutes. The solid state, high efficiency, dual rate charger provides precise float voltage control and low voltage disconnect protection.

SPECIFICATIONS: EXTERNAL

The PATRIOT HZ series is constructed from .100" thick, heavy duty cast aluminum. Tamper resistant screws are standard and ensure the integrity of the battery unit. The PATRIOT series comes standard in an industrial gray color although custom color options are available upon request. The PATRIOT comes standard with an LED status indicator and test switch under the lens. The lens is constructed from a vandal resistant polycarbonate for maximum durability. Lamp and reflector assemblies are offered in a fully adjustable, high output MR16 halogen or LED configuration. Universal mounting pattern and key hole slots are cast into the backplate. Stainless steel mounting straps are supplied for surface mounting.

TEMPERATURE CODE

Temperature Codes Class I, Div. 2

Lamp	10W Hal.	12W Hal.	20W Hal.	7W LED max
T Code	T3A	T3B	T2D	T4A

Temperature Codes Class 2, Div. 1 & 2

Lamp	10W Hal.	12W Hal.	20W Hal.	7W LED max
T Code	T4A	T4A	T4A	T4A

HAZARDOUS

The PATRIOT HZ series is approved for use in Class I Division 2, Groups ABCD, Class II Divisions 1 & 2, Groups EFG: T coded T4A, T3B, T3A, T2D, T2A, or T1.

ORDERING INFORMATION

Series	Operation	Pb-A (Capacity)	Ni-Cd (Capacity)	Lamp Type	Options
PTR-HZ	6 (6V)	18 (6V)	22 (6V)	See lamp selection	AT ^{1*} (Auto-Test)
	12 (12V)	27 (6V, 12V)	42 (6V, 12V)	guide on next page	AM [*] (ammeter)
		36 (6V, 12V)	54 (6V)		BZ ² (audible alarm)
		60 (6V, 12V)			FAI ^{3*} (fire alarm interface)
					NC ⁴ (nickel-cadmium battery)
					VM [*] (voltmeter)
					WG (wire guard)
					TP (tamper proof)

NOTE *: Only available in units 42W and under.

NOTE 1: Includes an automatic time delay function specify 0, 5, 10 or 20 mins.

NOTE 2: Only available with AT.

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

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

EXAMPLE: PTR-HZ-12-36-MR16LED-5W-AT



HAZARDOUS | NEMA 4X | SANITATION LISTED | IP66 | VANDAL RESISTANT

Mule Lighting, Inc.

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ELECTRICAL

BATTERY: The PATRIOT HZ is designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 90 minutes. Recharge time of the battery is less than forty-eight [48] hours. An optional Nickel-Cadmium battery is available. The maximum battery operating temperature is +40°C and the minimum is +10°C.

CIRCUIT: The PATRIOT HZ 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.

MECHANICAL

The PATRIOT HZ is constructed from a durable, fully gasketed die- cast aluminum housing rated for NEMA 4X and IP66. Stainless steel mounting straps are supplied for surface mounting. These connectors allow for a large gauge of wire to be used, increasing the flexibility of installation. The PATRIOT HZ is supplied standard in a durable gray powder coat, baked finish. Other colours are available, including colour matching, please specify. CSA 22.2 No. 141 Performance Certified

AUTOTEST

The Mule auto-test automatically initiates a five minute discharge/ diagnostic test every month and two 90-minute discharge/diagnostic tests every 6 months. Twenty-four hours following the first 6 month test, the unit retests again to ensure that the charger has completely recharged the battery. This tests both full battery capacity and recharge capability. The information is communicated simply and intuitively to maintenance personnel via a single multi-color LED. The PATRIOT HZ autotest option includes an automatic time delay function to allow for HID lighting to “warm up”. Specify 0, 5, 10 or 20 minutes.

- Red: Battery or Circuit Malfunction
- Yellow: Lamp Malfunctioning
- Green: Normal Operation

SANITATION LISTED

The PATRIOT HZ is sanitation approved. The Intertek verified splash zone listing is equivalent to the NSF Standard 2, meeting the rigorous sanitation, electrical safety and performance standards of food service environments.

LAMP SELECTION

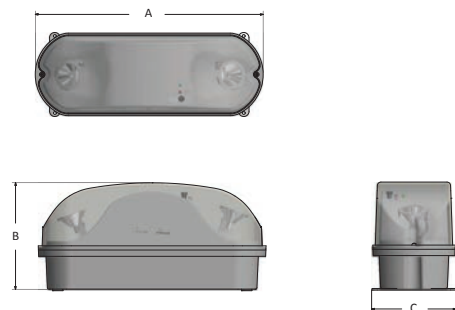
	6V	12V
MR16	-	20W
MR16 LED	5W, 7W	2W, 5W, 7W

MODEL RATING GUIDE

Model	Voltage	Wattage			
		90min	120min	180min	240min
PTR-HZ-6-18	6	18	13	9	6
PTR-HZ-6-22	6	22	16	11	8
PTR-HZ-6-36	6	36	27	18	13
PTR-HZ-6-42	6	42	31	21	15
PTR-HZ-6-54	6	54	41	27	20
PTR-HZ-6-60 ^[1]	6	60	45	30	22
PTR-HZ-6-72	6	72	54	36	27
PTR-HZ-12-36	12	36	27	18	13
PTR-HZ-12-42	12	42	31	21	15
PTR-HZ-12-60 ^[1]	12	60	45	30	22

[1]NOTE: Not available with all options.

DIMENSIONS



Series	A"	B"	C"
PTR-HZ	16.25"	7.5"	6"
	413mm	191mm	152mm

WARRANTY

The PATRIOT HZ comes with a 3-year factory warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.