

Bravado HZ Hazardous Location Battery Unit



Job/Location: _____

Contractor: _____ Prepared By: _____

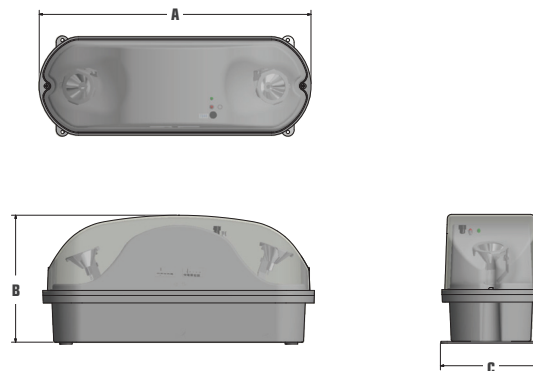
Model Number: _____ Date: _____



EXTERNAL SPECIFICATIONS

The **BRAVADO 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 **BRAVADO** series comes standard in an industrial gray colour although custom colour options are available upon request. The **BRAVADO** 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.

DIMENSIONS (MM, IN.)



Series	A	B	C
BRV-HZ	413mm	191mm	152mm
	16 1/4"	7 1/2"	6"

ORDERING INFORMATION

Series	Operation	Capacity	Lamp Type	Options
BRV-HZ	6 (Volt DC)	See modal rating guide	See lamp Selection	NC (Ni-Cd batteries, see guide)
	12 (Volt DC)			WG (Wireguard)
				AT (Auto-test with time delay – specify 0, 5, 10 or 20 minutes)
				*A (Ammeter)
				*V (Voltmeter)
				*ATA (Auto-test alarm)
				***FAI (Fire alarm interface - specify)
				*RFS (Radio frequency suppression) – specify AC

NOTE: *Only available in units 90W and under **Specify open/closed/6-24 VAC
 EXAMPLE: BRV-HZ-12-90-MR16-20W-AT
 DESCRIPTION: Bravado Hazardous, 12V, 90W, 20W MR16 lamps, 120/347V, with Auto-test

LAMP SELECTION

	6V	12V
MR16	N/A	20, 35, 50W
LED-MR16	5, 7W	2, 5, 7W

EXTREME CLIMATE DESIGN

The **BRAVADO HZ** 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 **BRAVADO HZ** from moisture.

TAMPER RESISTANT DESIGN

The **BRAVADO HZ** series of vandal resistant emergency lighting units are designed to stand up to abuse in applications such as schools, public areas, institutions and apartment complexes where vandalism may potentially occur. The heavy die-cast aluminum body and polycarbonate lens offer extreme protection and superior performance.

SANITATION LISTED (SL)

The **BRAVADO HZ** is sanitation listing 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.

MECHANICAL SPECIFICATIONS

The **BRAVADO 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 or installation. The **BRAVADO 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. 141-15 Performance Certified.

BATTERY TECHNOLOGY

The **BRAVADO HZ** series is designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 30 minutes. Ni-Cd batteries are optional. Recharge time of the battery is less than twenty-four [24] hours. The maximum battery operating temperature is +40°C and the minimum is +10°C.

TEMPERATURE CODES

Temperature Codes Class I, Div. 2						
Lamp	10 Watt Halogen	12 Watt Halogen	20 Watt Halogen	35 Watt Halogen	50 Watt Halogen	7 watt LED max
T Code	T3A	T3B	T2D	T2A	T1	T4A
Temperature Codes Class 2, Div. 1 & 2						
Lamp	10 Watt Halogen	12 Watt Halogen	20 Watt Halogen	35 Watt Halogen	50 Watt Halogen	7 watt LED max
T Code	T4A	T4A	T4A	T4A	T4A	T4A

INSTALLATION

The **BRAVADO HZ** unit is suitable for hazardous location surface wall and ceiling mounting. Suitable for NEMA 4X, IP66 installations, Class I, Division 2, Groups A-D and Class II, Divisions 1 & 2, Groups E-G.

CHARGER SPECIFICATIONS

The **BRAVADO HZ** series 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.

MODEL RATING GUIDE

Model	Voltage (output)	Wattage Rating	
		30min	90min
BRV-HZ-6-36	6	36	18
BRV-HZ-6-50	6	50	18
BRV-HZ-6-50-NC	6	50	22
BRV-HZ-6-72	6	72	27
BRV-HZ-6-80	6	80	27
BRV-HZ-6-90	6	90	36
BRV-HZ-6-100-NC	6	100	42
BRV-HZ-6-160	6	160	60
BRV-HZ-12-36	12	36	N/A
BRV-HZ-12-72	12	72	27
BRV-HZ-12-90	12	90	36
BRV-HZ-12-100-NC	12	100	45
*BRV-HZ-12-120	12	120	65
*BRV-HZ-12-150	12	150	65

*NOTE: Not available with all options

BEGHELLI AUTO-TEST (AT)

The Beghelli auto-test system automatically performs one 5 minute discharge test monthly and every 6 months it performs two 30 minute discharge tests, 24 hours apart. This tests both full battery capacity and recharge capability. The information is communicated simply and intuitively to maintenance personnel via a single multi-colour LED. The **BRAVADO HZ** Auto-test option includes an automatic time delay function to allow for HID lighting to “warm up”. Specify 0, 5, 10 or 20 minutes.