

Job Name: _____
 Model: _____
 Type: _____
 Date: _____



■ hazardous code chart

Location	Code / Designation
Class I, Division 1, Group B	C1D1GB
Class I, Division 1, Group C & D	C1D1GCD
Class I, Division 2, Group A, B, C & D	C1D2GABCD
Class II, Division 1, Group E, F & G	C2D1GEFG
Class II, Division 2, Group E, F & G	C2D2GEFG
Class III, Division 1 & 2	C3D12

■ internal

The HDZ is configured with 120/277V input with solid state charging circuitry. Standard features include low voltage disconnect, AC lockout and brownout protection.

■ external

The HDZ housings are constructed from corrosion resistant, copper-free cast aluminum. The quick access thread on cover allows for trouble-free installation and reduces general maintenance time. A one-way stainless breather provides proper and effective unit ventilation. External mounting feet provide for simple and secure installations.

■ dimensions

NOTE: Exact dimensions will vary depending on actual configuration and rating classification. Contact factory for details.

■ ordering logic

EXAMPLE: HDZ 636 C1D1GB 1XF1 12WQ AT

Series	Operation	Pb-A (Capacity)	Ni-Cd ² (Capacity)	Hazardous Code	Emergency Heads	# of Lamps	Quartz Lamps ³	Options
HDZ ¹	6VDC	36 (6V, 12V)	42 (6V, 12V)	See hazardous	0 (no heads)	1 (single)	12WQ (12W)	AT (autotest)
	12VDC	60 (6V, 12V)	54 (6V)	code chart	1XF (one head)	2 (double)	20WQ (20W)	NC ⁴ (nickel-cadmium battery)
		72 (6V)	90 (6V, 12V)	above	2XF (two heads)			TD ⁵ (timedelay)
		120 (6V, 12V)	130 (12V)					WG ⁶ (cast wire guard)

NOTE 1: Freight not included for this item

NOTE 2: For nickel cadmium battery, must select NC from options and capacity from N-Cd column

NOTE 3: 12W available in 6 & 12V; 20W available in 12V only

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

NOTE 5: Must specify input voltage and time delay (0, 5, 10, 15 - 10 min standard)

NOTE 6: Wire guard must be ordered as part of the HDZ fixture

■ emergency heads

The HDZ series offer a variety of lamp and fixture combinations including multiple remote emergency lighting heads and/or exit signs. Each emergency lighting head can be configured with one or two fully adjustable lamp and reflector assemblies contained within.

■ electrical

BATTERY: The HDZ is designed to be used with maintenance free, sealed valve regulated lead acid batteries that provide a minimum emergency duration of 90 minutes. Recharge time of the battery is twenty-four (24) hours. The operating temperature is from 50°F to 104°F (10°C to 40°C).

CIRCUIT: The HDZ series utilizes a high-efficiency two stage charger providing a fully automatic constant charging current 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 dust tight push button test switch allows maintenance personnel to quickly determine the operational status of the unit and lamp load.

■ mechanical

The HDZ series housing is constructed from corrosion resistant, copper-free aluminum. Featuring a threaded cover that allows for trouble free installation and reduced maintenance time. External mounting feet provide simple and secure installation. Exact dimensions will vary depending on the unit configuration and rating classification.

■ autotest

The Beghelli Autotest system automatically performs one (5) minute discharge test monthly and two (90) minute discharge tests every 6 months, 48 hours apart. This tests both full battery and recharge capability as required by code. Information is communicated simply and intuitively to maintenance personnel via a single multi-color I FD.

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

■ temperature codes

Temperature Codes Class I, Div. 1	
Lamp	20W Halogen max
T Code	T4A
Temperature Codes Class I, Div. 2	
Lamp	20W Halogen max
T Code	T1

■ model rating guide

Model	Voltage	Wattage				Cabinet
		90min	120min	180min	240min	
HDZ 636	6	36	27	18	14	
HDZ 642	6	42	32	21	16	
HDZ 654	6	54	41	27	20	
HDZ 660	6	60	45	30	23	
HDZ 672	6	72	54	36	27	
HDZ 690	6	90	68	45	34	
HDZ 6120 ^[1]	6	120	90	60	45	
HDZ 1236	12	36	27	18	14	
HDZ 1242	12	42	32	21	16	
HDZ 1260	12	60	45	30	23	
HDZ 1290	12	90	68	45	34	
HDZ 12120 ^[1]	12	120	90	60	45	
HDZ 12130	12	130	98	65	49	

[1]NOTE: Not available for all Class and Division ratings. Contact factory for details.

■ warranty

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