

Sicura Unit 6, 12 & 24 Hazardous Battery Unit

Job/Location: _____

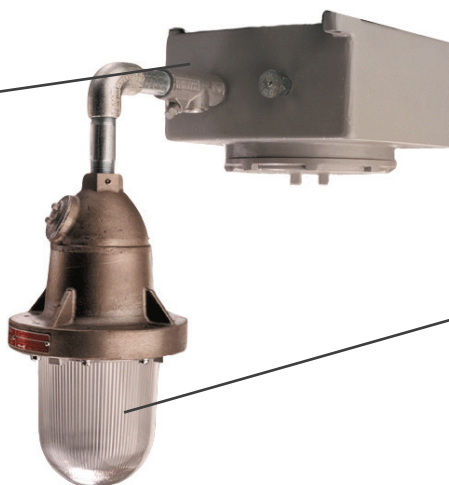
Contractor: _____ Prepared By: _____

Model Number: _____ Date: _____

Corrosion resistant
heavy-duty cast
aluminum housing

Hazardous location certified

Surface wall, ceiling
or pendant mount



Stainless steel breather
for safe and effective
ventilation

One or two heads and
lamps

High-efficiency
two stage charger



HAZARDOUS



INDUSTRIAL APPLICATION EMERGENCY

EXTERNAL SPECIFICATIONS

The **SICURA** series housing is constructed from corrosion resistant, copper-free cast aluminum. The threaded, screw on cover allows for trouble-free installation and reduces general maintenance time. The **SICURA** features a one-way stainless breather to provide safe and effective unit ventilation. External mounting feet provide for simple and secure installations. Exact dimensions will vary depending on the unit configuration and rating classification. CSA 22.2 No. 141-15 Performance Certified.

DIMENSIONS

Call factory for details

HAZARDOUS CODE CHART

Location	Code
Class I, Division 1, Group B	C1D1GB
Class I, Division 1, Group C & D	C1D1GCD
Class I, Division 2, Group B, C & D	C1D2GBCD
Class II, Division 1, Group E, F & G	C2D1GEFG
Class II, Division 2, Group E, F & G	C2D2GEFG
Class III, Divisions 1 & 2	C3D12

LAMP SELECTION

	6V	12V	24V
Halogen Quartz (Q)	12, 20W	12, 20W	N/A
LED (LED)	N/A	4W	4W

NOTE: LED only available in single lamp

ORDERING INFORMATION

Series	Operation	Capacity (Wattage)	Hazard Code	Fixtures	Lamp #	Lamp Type	Options
HDZ	6 (Volt DC)	See model rating guide	See hazard chart	0 (None)	1 (Single)	See lamp guide above	NC (Ni-Cd batteries, see guide)
	12 (Volt DC)			1XF (One head)	**2 (Double)		*AT (Auto-test self-diagnostics)
	24 (Volt DC)			2XF (Two heads)			WG (Cast wireguard)
							TD (Time Delay, must specify input voltage)

NOTE: *AT comes with time delay. Specify 0, 5, 10 or 20 minutes.

**LED is available in single lamp only.

EXAMPLE: HDZ-6-36-C1-D2-GBCD-1XF-1-8WQ

DESCRIPTION: HDZ hazardous area emergency battery unit, 120/347VAC Input, 6VDC output, 36W for 30 minutes, rated for Class I, Division 2, Groups B, C & D, one head c/w one x 8W quartz lamp.

MECHANICAL SPECIFICATIONS

The **SICURA** series housing is constructed from corrosion resistant, copper-free cast aluminum. This housing features a threaded, screw on cover that allows for trouble-free installation and reduced maintenance time. External mounting feet or holes provide for simple and secure installations. Exact dimensions will vary depending on the unit configuration and rating classification.

CHARGER SPECIFICATIONS

The **SICURA** 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.

LAMP HEAD FEATURES

The **SICURA** series offer a variety of lamp combinations including multiple remote emergency lighting heads. Each emergency lighting head can be configured with one or two lamp and reflector assemblies contained within.

INSTALLATION

The **SICURA** series of emergency battery units are suitable for surface wall mounting. Suitable for various Class, Division and Group ratings as specified.

BATTERY TECHNOLOGY

The **SICURA** series is designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 30 minutes (for the listed rating). Ni-Cd batteries are optional. Recharge time of the battery is 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. 1		
Lamp	4 Watt LED	20 Watt Halogen
T Code	T6	T4A
Temperature Codes Class I, Div.2		
Lamp	4 Watt LED	20 Watt Halogen
T Code	T4A	T1

MODEL RATING GUIDE

Model	Voltage (output)	Wattage Rating 30 min.
HDZ-6-36	6	36
HDZ-6-50	6	50
HDZ-6-50-NC	6	50
HDZ-6-80	6	80
HDZ-6-90	6	90
HDZ-6-100-NC	6	100
HDZ-6-160	6	160
HDZ-6-180-NC	6	180
HDZ-12-36	12	36
HDZ-12-72	12	72
HDZ-12-90	12	90
HDZ-12-100-NC	12	100
HDZ-12-120	12	120
HDZ-12-150	12	150
HDZ-12-180	12	180
HDZ-12-200-NC	12	200
HDZ-12-250	12	250
HDZ-24-144	24	144
HDZ-24-180	24	180
HDZ-24-200-NC	24	200
HDZ-24-320	24	320

Consult factory for details

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, as required by the fire code. The information is communicated simply and intuitively to maintenance personnel via a single multi-colour LED. The **SICURA** Auto-Test option includes an automatic time delay function to allow for HID lighting to "warm up". Specify 0, 5, 10 or 20 minutes.