

Sicura Combo 12 & 24V Hazardous Combos

Job/Location: _____

Contractor: _____ Prepared By: _____

Model Number: _____ Date: _____

20 gauge steel frame
and face

Hazardous location
certified

Surface wall or ceiling
mount



Corrosion resistant
heavy-duty cast aluminum
housing

One or two fully
adjustable lamps

Hazardous location:

Class I, Division 1 Groups B,C,D

Class I, Division 2 Groups A,B,C,D

Class II, Divisions 1&2 Groups E,F,G

Class III, Divisions 1&2



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.

TRANSFER PANEL

Hazardous exit signs are supplied with one DC lamp only. This lamp will be illuminated only on DC power. If you require your exit to be illuminated under both AC and DC conditions, you will require a transfer panel (TRN).

ORDERING INFORMATION

| Series | Operation | Capacity (Wattage) | Hazard Code | Fixtures | Lamp # | Lamp Type | Sign | Options |
|--------|--------------|---------------------------|---------------------|-------------------|-------------|-------------------------|----------------------|---|
| HDZ-C | 12 (Volt DC) | See model rating guide | See hazard chart | 1XF (One head) | 1 (Single) | See lamp guide above | 1EX (Single exit) | AT (Auto-test self-diagnostics, SP only) |
| | 24 (Volt DC) | | | | *2 (Double) | | 2EX (Double exit) | TD (Time delay - specify input voltage) |
| | | | | | | | 1S (Single sortie) | WG (Cast wireguard) |
| | | | | | | | 2S (Double sortie) | TRN (Transfer normally on sign) |

NOTE: *LED is available in single lamp only

EXAMPLE: HDZ-C-12-36-C1-D2-GBCD-1XF-1-12WQ-2EX

DESCRIPTION: HDZ hazardous area emergency combo, 120/347VAC Input, 12VDC output, 36W for 30 minutes, rated for Class I, Division II, Groups B, C & D, one head c/w one x 12W quartz lamp, one double face exit.

LAMP SELECTION

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

NOTE: LED only available in single 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.

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 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, Divisions 1 & 2 | C3D12 |

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. An internal push button test switch allows maintenance personnel to determine the operational status of the unit and lamp load.

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 |

LAMP HEAD / FIXTURE FEATURES

Each emergency lighting head can be configured with one or two fully adjustable lamp and reflector assemblies contained within. Exit signs are constructed using 20 gauge steel faceplate(s) and frame. Custom exit colours and signage/graphics are also available.

INSTALLATION

The **SICURA** series of emergency combos 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). Recharge time of the battery is twenty-four [24] hours. The maximum battery operating temperature is +40°C and the minimum is +10°C

MODEL RATING GUIDE

| Model | Voltage (output) | Wattage Rating | |
|--------------|------------------|----------------|----------|
| | | 30 min. | 120 min. |
| HDZ-C-12-36 | 12 | 36 | 10 |
| HDZ-C-12-72 | 12 | 72 | 22 |
| HDZ-C-12-90 | 12 | 90 | 27 |
| HDZ-C-12-120 | 12 | 120 | 36 |
| HDZ-C-12-150 | 12 | 150 | 45 |
| HDZ-C-12-180 | 12 | 180 | 54 |
| HDZ-C-24-144 | 24 | 144 | 43 |
| HDZ-C-24-180 | 24 | 180 | 54 |

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.