

Sicura Combo RM 12 & 24V Hazardous Combo

Job/Location: _____

Contractor: _____ Prepared By: _____

Model Number: _____ Date: _____

AC present indicator
light

20 gauge steel frame

Surface wall, ceiling or
pendant mount



Corrosion resistant
heavy-duty cast aluminum
housing

Breather

One or two lamps

Hazardous location Certified:
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

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

ORDERING INFORMATION

Series	Operation	Capacity (Wattage)	Hazard Code	Fixtures	Lamp #	Lamp Type	Sign	Pictogram	Options
HDZ-C-RM	12 (Volt DC)	See model rating guide	See hazard chart	1XF (One head)	1 (Single)	See lamp guide above	1 (Single)	OLR (Universal pictograms)	AT (Auto-test, SP only)
	24 (Volt DC)				*2 (Double)		2 (Double)	0 (No indicators)	TD (Time delay - specify input voltage)
								L (Left indicator)	WG (Cast wireguard)
								R (Right indicator)	TRN (Transfer normally on fixtures)
								D (Down indicator)	SW-OL (RM no indicator, left)
								U (Up indicator)	
								UR (45° up right)	
								DR (45° down right)	
								UL (45° up left)	
								DL (45° down left)	

NOTE: *LED is available in single lamp only

EXAMPLE: HDZ-C-RM-12-36-C1-D2-GBCD-1XF-1-12WQ-2-0-TRN

DESCRIPTION: HDZ hazardous area emergency combo, 120VAC 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 sign showing a pictogram with no directional indicators, transfer panel.

LAMP SELECTION

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

NOTE: LED only available in single lamp

TRANSFER PANEL

Hazardous 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.

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.

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. An indicator lighting will show if AC power is present. 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.

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.

LAMP HEAD / FIXTURE FEATURES

Each emergency lighting head can be configured with one or two lamp and reflector assemblies contained within. Running man signs are constructed using 20 gauge steel faceplate(s) and frame. Custom housing 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-12-36	12	36	10
HDZ-12-72	12	72	22
HDZ-12-90	12	90	27
HDZ-12-120	12	120	36
HDZ-12-150	12	150	45
HDZ-12-180	12	180	54
HDZ-24-144	24	144	43
HDZ-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.