ITR832-AA2 - Indoor & Outdoor Emergency Lighting Luminaire

INTERRA

Device	ITR832-AA2
Power Supply	230 VAC 50/60 Hz
Rated Duration	3 h
Battery Charging Time	24 h
Battery Type	3,6 V Ni-Cd
Light Source	SMD LED
Diffuser	Polycarbonate Glass
Type of Protection	IP 65
Insulation Class	II
Temperature Range	Operation (-5°C...40°C) Storage (-15°C...55°C)
Humidity	Moisture-proof
Material	Polycarbonate body
Colour	White
Flammability	Non-flammable product
Dimensions	108x341x60 mm (WxHxD)

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DESCRIPTION

Interra ITR832-AA2 emergency lighting luminaire is an emergency lighting device that can be used indoors and outdoors, has a polycarbonate case and glass material, and has a 3-hour lifetime in emergency states. It offers an effective solution thanks to its high energy saving, long-life use (approximately 50,000 hours) and SMD LED application. In addition, ITR832-AA2 has remote control and test features with DALI interface, and green and red LED status indicators. However, it has overcharge and deep discharge protection as well as high temperature Ni-Cd battery cells. Moreover, it operates safely under harsh environments with emergency lighting functions in case of low voltage and by interruption of the unswitched phase. It can be installed according to the desired conditions with its ceiling-mounted, ceiling embedded and wall-mounted options and moisture-proof feature.

General Features:

General features of the emergency lighting luminaire is shown below. Device's operating mode is non-maintained so that lights in case of the mains failure.

Rated Duration	Operating Mode	Light Source	Light Intensity on Energy / Emergency	Type of Mounting	Battery Charging Time
3h	Non Maintained	20 x SMD LED	- / 230 lm	Recessed(*)/ Surface Mounted	24 h

(*) : Recessed mounted is optional.

Mains Data:

Mains data information is shown in the table below. Mains current and rated power values are measured under 230 V mains.

Rated Power	Mains Current	Power Factor	Dimensions (mm)	Weight (kg)	Carton Box Quantity
1,65 W	0,019	0,37	108x341x60	0,690	1

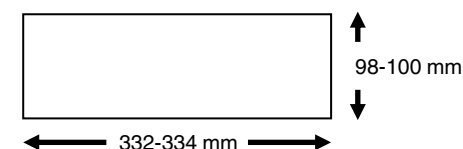### LED Indication Functions:

Permanent GREEN	Charge Mode
Fast flashing GREEN (0.1s on—0.1s off)	Function test
Slow flashing GREEN (1s on - 1s off)	Duration test
Permanent RED	Load failure
Slow flashing RED (1s on - 1s off)	Battery failure
Fast flashing RED (0,1s on- 0,1s off)	Charging failure
Double pulsing GREEN	Inhibit mode
Binary transmission of address via GREEN/RED	Addressing or identification
GREEN and RED off	Emergency mode

Test Switch Functions:

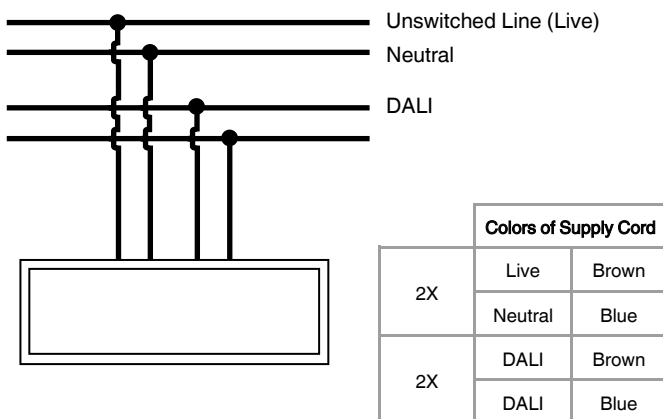|	
Short Press (<1s)	Starts the function test or terminate the all tests
Long Press (>5s)*	Starts the duration test.

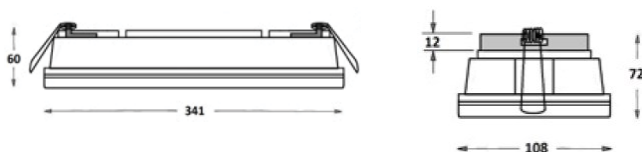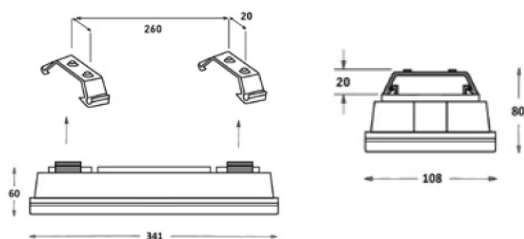(*) : The battery must be 100% full before the duration test can be started.

Recessed (Optional) Mounting Hole Size:

98-100 mm

332-334 mm

DS200529163AEN

Wiring Diagram:

Unswitched Line (Live)
Neutral
DALI

Colors of Supply Cord		
2X	Live	Brown
	Neutral	Blue
2X	DALI	Brown
	DALI	Blue

Technical Drawing / Recessed (Optional):

60
341
12
72
108

Technical Drawing / Surface Mounted:

260
20
20
80
60
341
108

Photometry Data (1W):

Open Area (Anti-Panic) Lighting (for min. 0,5 lux)		
Mounting Height (m)	Distance Between Luminaire and Wall (m)	Distance Between Luminaires (m)
2,00	2,00	3,00
2,50	2,25	4,00
3,00	2,75	4,75
3,50	2,75	5,50
4,00	2,75	6,00

Escape Route Lighting (for min. 1 lux)		
Mounting Height (m)	Distance Between Luminaire and Wall (m)	Distance Between Luminaires (m)
2,00	2,00	3,50
2,50	2,25	4,25
3,00	2,50	4,50
3,50	2,50	5,00
4,00	2,25	5,25

Photometry Data (3W):

Open Area (Anti-Panic) Lighting (for min. 0,5 lux)		
Mounting Height (m)	Distance Between Luminaire and Wall (m)	Distance Between Luminaires (m)
2,00	3,00	5,50
2,50	3,50	6,75
3,00	4,00	7,75
3,50	4,25	8,50
4,00	4,50	9,25

Escape Route Lighting (for min. 1 lux)		
Mounting Height (m)	Distance Between Luminaire and Wall (m)	Distance Between Luminaires (m)
2,00	3,00	5,75
2,50	3,50	7,00
3,00	4,00	7,75
3,50	4,25	8,50
4,00	4,25	9,25

Light Distribution Curve:

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%):96.5 DEG
UNIT:cd
C0/180,106.0 Ic:77.24
C30/210,109.2 Ic:77.59
C60/240,85.3 Ic:113.2
C90/270,85.4 Ic:113.7

PLANAR ISOLUX DIAGRAM(UNIT:lx)

79.0	30.0
69.0	5.00
59.0	4.90
49.0	3.00
39.0	0.9800

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