

9105 Series

EMERGENCY EXIT SIGN



General Description

Key Features

9105 series of EXIT lights are sleek LED luminaire, decorative and suitable for wall mounting and also wall flush mounting. The 4w power consumption is another added feature.

This range has self contained models with manual or auto test options, and has battery option of 1 hr or 3 hrs standby time. The DALI models come with 3 hrs of battery stand by time. All models of this range can operate on maintained or non-maintained mode. The EXIT luminaire are sing & double face universal type, making it suitable for installation at multiple locations.

The batteries for this range are fully sealed, maintenance free, and safety testing as per EN standards. The luminaire has TUV approval, and has RoHS (Restriction of Hazardous Substances) compliance.

AUTO Test

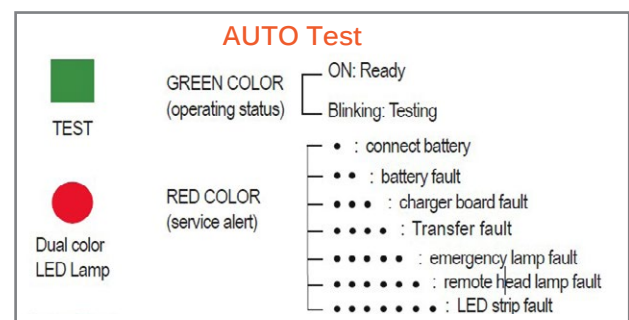
Auto-Test Option provides automatic testing of light fitting when used without DALI central monitoring option, and provides continuous monitoring of the unit and indicates service alert using dual-color LED lamp

The unit will automatically initiate a Self-Test and Self-Diagnostics test as follows:

- Verifies battery disconnection, charger failure, lamp failure and transformer
- failure at every 5 seconds.
- One minute self-testing every month.
- 30 minutes self-testing on the 6th month of the year after installation.
- 90 minutes self-testing on the 12th month of the year after installation.
- Automatically indicates lamp, battery and charger status by dual-color
- LED lamp.
- Factory preset - does not need field adjustment.

Main Features

- Compact and decorative design.
- LED self contained luminaire with manual test, auto and DALI test options.
- Ni-MH battery.
- Single and double face universal.
- Replaceable pictogram design, including with arrow and no arrow pictograms in package.
- Low operation cost via low power consumption.
- Maintained and non-maintained operation changeable.
- Material of luminaire compliant with the glow wire test at temperature of 850C.
- RoHS compliance.



Manual Test

Tests are initiated manually, and can be initiated by the following action:

Press test button once	30 seconds test
Press test button twice (within 2 seconds)	3 minutes test
Press test button 3 times (within 2 seconds)	30 minutes test
Press test button 4 times (within 2 seconds)	1 hour or 3 hours test

Service Alert code for Manual Testing:

One blink ON/pause (4 seconds)	Battery is not connected
Two blink ON/pause (4 seconds)	Battery is shorted or Battery voltage drops below than acceptable value
Three blink ON/pause (4 seconds)	Charger board circuit fault
Four blink ON/pause (4 seconds)	Transfer fault
Five blink ON/pause (4 seconds)	Emergency lamp fault

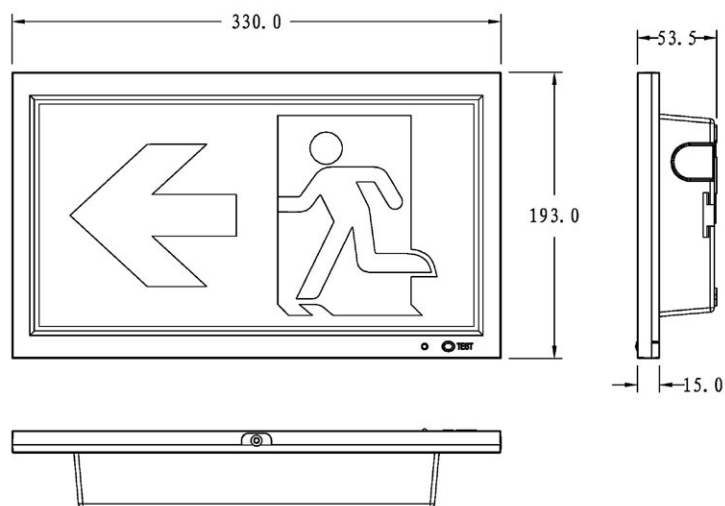
TECHNICAL SPECIFICATION

Rated Power Supply	220-240VAC 50/60Hz
Power consumption	Max. 4W
Charge time	24 hours
Discharge duration	1hour/3hours
Changeover voltage	144-187VAC
Test facility	Manual test auto, and DALI test
Viewing distance	30m
Operation	Maintained, Non-maintained and switched maintained for DALI models
Mounting	Wall mounting and Flush mounting
LED	SMD 2835, CCT 6000K, CRI>70
Normal flux	32lm
Pictogram	Pantone 336C or Pantone 354U optional
Luminance of safety sign	>15cd/m ²
High luminance option	500cd/ m ²
Degree of protection	IP20
Insulation Class	Class II
Housing material	ABS
Ambient temperature	0C...+40C
Certification	CE

All luminaires of this series will maintain the same lux output during the entire emergency mode operation as specified (only the battery being used to power the lamp and fitting controls). This is achieved as our luminaires are working with "constant current" technology. The same current output is maintained even if the battery voltage goes down. The luminaire lamp current is totally cut off when the battery voltage falls below a certain pre-determined voltage. Leaving enough charge to power the control module.



DIMENSIONS (mm)



PICTOGRAM PACK



Arrow right 1pc



Without Arrow 1pc

MODEL LIST

Part number	Alternative part number	Alternative part number	Discharge Duration	Power Consumption	Battery	LED
9105-1MH	ESA05/1H/MT/MH	Manual	1H	4.0W Max	Ni-Mh 3.6V 600mA	SMD 2835 6000K
9105-1AH	ESA05/1H/AT/MH	Auto	1H	4.0W Max	Ni-Mh 3.6V 600mA	SMD 2835 6000K
9105-3MH	ESA05/3H/MT/MH	Manual	3H	4.0W Max	Ni-Mh 3.6V 1000mA	SMD 2835 6000K
9105-3AH	ESA05/3H/AT/MH	Auto	3H	4.0W Max	Ni-Mh 3.6V 1000mA	SMD 2835 6000K
9105-3DH	ESA05/3H/AT/MH	DALI	3H	3.5W Max	Ni-Mh 3.6V 1000mA	SMD 2835 6000K

ORDER GUIDE

X-Y-Z ARE THE THREE ALPHABETS AFTER THE SERIES NUMBER OF THE MODEL

X		Y		Z	
Battery stand-by Duration		Type of test		Battery Type	
1	For 1 Hr	M	Manual testing	L	Lithium Iron Phosphate
3	For 3 Hrs	A	Auto Testing	C	Nickle cadmium
		D	DALI	H	Nickel metal Hydride