LED INDICATION	STATUS	COMMENTARY
Permanent Green	Everything Working Correctly	
Fast Flashing Green (0.1 Sec ON - 0.1 sec OFF)	Function Test in Progress	
Slow Flashing Green (1 sec ON-1 sec OFF)	Duration Test In Progress	
Permanent Yellow	Load Failure	Open Circuit/Short Circuit/LED Failure
Slow Flashing Yellow (1 sec ON-1 sec OFF)	Battery Failure	Battery Failed Duration or Function Test Battery is Defective/Wrong Battery Voltage
Fast Flashing Yellow (0.1 sec ON-0.1 sec OFF)	Charging Failure	Incorrect Charging Current
Green and Yellow OFF	DC Mode	Battery Operation(Emergency Mode)

TECHNICAL INFORMATION

Model Number	Input Voltage	Charge Duration	Discharge Duration	Battery	Power	LEDS
XT224SM/DALI	220-240V~ 50/60HZ	24 h	3 h	Ni-Mh 3.6V 2.0Ah	3.5 W Max	SMD 2835 14 pcs

Explanations

	Maintained Luminaire	Non-maintained Luminaire	Switched Maintained Luminaire	
				OK ✓
				Emergency mode
				Failure-Battery Charge

XT224SM/DALI

Instruction Leaflet

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Technical Specifications

Power Supply	: 220-240VAC, 50/60 Hz	Emergency Duration	: 3 Hours
Power Consumption	: Max. 3.5W	Protection Class	: II
Ambient Operating Temp	: -5°C...+45°C	IP Rating	: IP20
Charge Time	: 24 Hours	Function	: DALI
Operation	: Maintained and non-maintained	Installation	: Wall mount or flush mount
		Viewing distance	: 24m

PRECAUTIONS

Carefully read this instruction leafet before installing or using the luminaire.
This leafet provides important information about the correct installation, use, maintenance and disposal of this product. Please observe the following guidelines:

1. Installation must be in accordance with European installation requirements HD 60364 and additional local regulations.
2. This product may not be modified in any way what so ever or used for a purpose or in an environment other than for which it is designed. Failing to observe these guidelines will invalidate the warranty and the CE-compliance of this product.
3. The luminaire is suitable for indoor use only
4. Before installing the luminaire, the supply must be isolated.
5.The luminaire should be connected to the voltage equivalent to that indicated on the type label

SERVICE & OPERATION

Normal Operation: The green indicator light on face plate stays on. The LED will go out if the mains supply fails, the internal charger malfunctions, or the unit is in test mode.
Battery: Sealed Ni-Cad or Ni-Mh rechargeable battery pack. Battery should be replaced when the required duration is no longer achieved. To avoid any damage to the fixture and ensure its performance, the battery should be replaced with same brand and type.
Test Switch: Press the test switch button, LED indicator will go out and the sign will be illuminate from its battery pack.

WARNING:

The luminaire must, under no circumstances, be covered with insulating material or similar material only

MOUNTING INSTRUCTIONS

① Open fixture

ⓐ Remove screw by screwdriver.
ⓑ Slide up only 1 cm to remove the face panel, disconnect LED strip & test switch connector from PCBA.

② Wall surface mounting

ⓐ Knock out appropriate cable entry hole and mounting screw hole on the fixture housing.
ⓑ Route AC supply wire through center hole of fixture housing.
ⓒ Fix fixture housing on the mount surface with screws and anchor nuts.

③ Flush mounting

ⓐ Make cut out hole on mounting surface for flush mounting.
ⓑ Install fixture on mounting surface by screws.

④ Wiring connection

ⓐ Connect AC supply cable to terminal block, reference wiring struction below.
ⓑ Attach battery connector .

⑤ Restore face panel

ⓐ Attach LED strip & test switch connector on DALI drive.
ⓑ Slide face panel on fixture then fixed by screw.

⑥ Change pictogram when necessary

Remove the pictogram on the unit, select other pictogram you need then insert into slot of panel.

WIRING INSTRUCTIONS

PICTOGRAM STYLES

MOUNTING OPTIONS

Commissioning Test Behaviour

Initial connection of the mains supply will initiate a commissioning sequence where the battery will remain on charge and test for an uninterrupted 60 hours. Any interruption of the mains supply during this period will reset the counter to zero.
The sequence is : to charge for 24hours. Having fully charged the battery, then execute a duration test.
Upon successful completion of the duration test, the gear will perform another full charge period of 24hours.
After this period, it is suggested to perform a function test and then check for successful completion of the function and duration tests.
Therefore, after initial mains power on, it is best to leave the gear alone for 60 hours to allow the gear to complete its pre-programmed commissioning testing. During the 60 hour period, any attempt to have the gear perform a function or duration test will simply result in the requested test being 'pended'.
Following the commissioning test it will then perform whatever tests are pended. Meaning that if you had pressed "start duration test", at the end of commissioning, the gear will perform another duration test and another subsequent charge period before normal operations could be resumed.

Gear Behaviour After Battery Change (meaning Disconnect / Reconnect battery)

After changing the battery, the gear will perform a complete commissioning sequence, as described above, irrespective of the condition of the battery.

Function test

A 5 second functional test is carried out at nominally 1 week interval.

Duration test

The gear switches to battery supply with mains supply off, and runs until the batteries can no longer supply the lamp
The length of time to run out is recorded in memory.
A pass result indicates the battery powered the fitting and lamp for the rated period of this fitting.
A full rated duration test is carried out nominally at 52 weeks intervals.

In DALI mode, the start of the regular duration and function tests, is initiated by the attached controller.
If the DALI controller is not available, the gear will revert to its automated settings.