

LED Emergency Converter kit



Features

The CK20-AST EM module is manufactured to provide full compliance to the latest standards. With a user-selectable self-test feature and remote control facility, it provides outstanding value and functionality to challenging emergency luminaires conversions



LED Emergency Converter kit Specification

	CK20-AST-1.5
Rated supply voltage	220-240 Vac
mains frequency	50 / 60 Hz
Max power consumption	5W
Rated supply current	0.06A Max.
Standby power	< 0.8W
Emergency output power	1.5W constant power
LED forward voltage range	5-20 Vdc
Max. output voltage	30 Vdc
Output current	depend on LED voltage
Emergency rated duration	3 hours
Battery charging time	< 16 hours
Changeover time	< 1 s
Changeover threshold	132 - 170 Vac
Operating temp.	0 - 45 °C
Storage temp.	0 - 75 °C
Type of protection	IP20
Height	21 mm
Wide	23.2 mm
Length	140 mm
Battery types	18650 * Li-ion 1.5W 3 hours

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EMERGENCY LED LIGHT CODING

GREEN LED	RED LED	STATUS
ON ●	OFF ○	OK
1Hz FLASH ○	OFF ○	Charging
OFF ○	ON ●	Battery disconnected / Duration test fault
2Hz FLASH ○	OFF ○	Function / Duration test in progress
OFF ○	2Hz FLASH ○	Battery Temperature fault
OFF ○	1Hz FLASH ○	Light source fault
0.5Hz FLASH ONCE Alternative ○	○	LED indicator response (except for BAT check and AST check)

Battery status Emergency lighting duration

0.5Hz FLASH ONCE Alternative ○	≥3.5h
0.5Hz FLASH TWICE Alternative ○	[3.25h , 3.5H)
0.5Hz FLASH TRIPLE Alternative ○	[3.0 , 3.25)
0.5Hz FLASH FOURTH Alternative ○	NO TEST

AST Check

0.5Hz FLASH ONCE Alternative ○	Self-test is enable
0.5Hz FLASH TWICE Alternative ○	Self-test is disable

- Slow flash= 0.5Hz (about half/second)
- Normal flash=1Hz (about once/second)
- Fast flash=2Hz (about twice/second)

CONVERTER WIRING DIAGRAM

