



ORION - BCM

Battery/charger module w/integrated sounder circuit

The ORION-BCM is a Self Contained EN54-4 certified Battery Charger Module with a Conventional Sounder Circuit and internal Alarm and Fault relays.

An internal monitoring system continuously checks all circuits, ensuring fault detection and notification, listed below.

- Sounder Circuit Integrity Fault
- Battery Charger Fault (voltage level and charging behaviour)
- Mains Fault (voltage level) and Earth Fault
- Output Supply Voltage Level
- General System Fault (by the means of independent watchdog system).

KEY FEATURES

- Two inputs for fire relay and sounders direct activation
- One supervised Conventional Sounder Circuit
- Dedicated battery charger (Secondary Supply) for Sounder Circuit and Auxiliary Power
- Two relays output for Fault (NC) and Fire (SPDT) signal - unmonitored
- Supervised 24V Supply Output with 900 mA capability
- EN54-4 certified.



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TECHNICAL SPECIFICATIONS

POWER SUPPLY

MAINS SUPPLY VOLTAGE	230 +10% -15% V AC
INTERNAL POWER SUPPLY	Min. 21V DC - Max. 30V DC (28.5V DC nominal) Max. Ripple 1 Vpp
TOTAL OUTPUT CURRENT	1,7A @ 230V AC
SUPPLY AND BATTERY CHARGER MONITORED	Yes
MONITORED BATTERIES	Yes
BATTERIES MAX. INTERNAL RESISTANCE	1 Ohm
MAX BATTERY SIZE	2 x 12 V 7AH VRLA - Sealed Lead Acid Batteries Min. Voltage 21,0V DC (Vb min) - Max. Voltage 27,2V DC
MAINS FUSE	4 A - 250V Slow Blow - 20 mm
BATTERY FUSE	1.6 Amp Resettable - Electronic Fuse
MAX CURRENT DRAW FROM BATTERY (MAINS FAIL)	1.5 Amp Max. @ Max. Operating Temperature

SOUNDER CIRCUIT

NUMBER OF CIRCUITS	1
END OF LINE RESISTOR VALUE	10K Ohms
MONITORING	Open and Short Circuit
ALARM VOLTAGE	27.5 V DC
SOUNDER CIRCUIT FUSE	1.1 Amp resettable (Electronic Fuse)
MAX. CURRENT AVAILABLE	900mA @ 27.5V DC Nominal

AUXILIARY OUTPUTS

DC POWER OUTPUT	27.5 V DC Nominal - Max. Current Drawn 900 mA
FIRE RELAY	Active in Fire condition, 2A @ 30V DC resistive / 0.25A @ 230V AC resistive ; SPDT
FAULT RELAY	Active in Fault condition, 2A @ 30V DC resistive / 0.25A @ 230V AC resistive ; NC

DIMENSIONS

SIZE	273 (L) x 107 (W) x 404 (H) mm
WEIGHT	1,7 Kg / 7 kg (inc. 2 x 7 AH 12 V batteries)
OPERATING TEMPERATURE	-10 to +50°C
MAX RELATIVE HUMIDITY	95% non condensing

ORDER CODE

ORION-BCM	1328-CPR-0537	BATTERY/CHARGER MODULE w/INTEGRATED SOUNDER CIRCUIT
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