Technical Datasheet

Magnastart® Blasting Booster
Model 212C-2

Features

- The 212C-2 has been specifically designed for Centralized Blasting and is remotely controlled from Control Unit Models BCU-2 or CBC-2, typically installed on surface.
- The 212C-2 provides reliable firing of up to 3 Magnastarts®.
- The 212C-2 monitors the supply line status.
- The 212C-2 is supplied in a sealed, lockable enclosure with a polycarbonate window to allow full view of the 212C-2 and includes two glands for the supply cables and a pair of spring-loaded terminals for the connection of the blasting cables.
- The 212C-2 can be individually isolated from the supply cable network.
- When used in conjuction with Control Unit Model CBC-2, the 212C-2 provides continuous monitoring of the supply cables for open/short circuit faults.

Operation

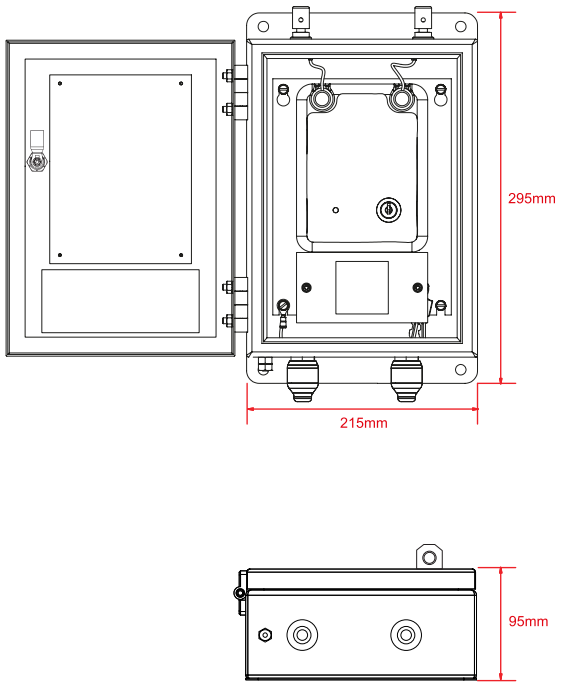
- Owing to the extremel low supply current requirements, only light feed cables (1.5mm^2) interlinking all Boosters at each level are required.

Notice and Maintenance

- All service work must be performed by authorised AEC Electronics personnel only.

Specifications

Unit Dimensions



IA Certificate Number	E-XPS/120899.
Frequency Range	30-65kHz.
Duration of Firing Pulse	12±0.5ms.
Firing Capacity	Resistance 15Ω, inductance 400μH.
Charging Time	2-10 seconds depending on supply voltage.
Supply Voltage	Modified 160-250V_{AC} 50Hz. 30-60V_{DC} in cable network test (standby) mode.
Supply Current	Less than 30mA_{AC} in firing mode; less than 1.1mA_{DC} in standby mode.
Supply Light	FLASHES at 1s intervals if the supply cable network is in working order. Lights up when AC firing voltage is supplied.
Firing Switch	Inhibits firing when in the OFF position; does not affect the operation of the supply light.
Construction	Encapsulated circuitry in an IP65, sealed, plastic enclosure which is housed in a sealed, lockable, steel cabinet with a polycarbonate window allowing full view of the 212C-2.
Unit Dimensions	Plastic enclosure: 163mm x 125mm x 66mm. Steel enclosure: 295mm x 215mm x 95mm.
Unit Mass	5.6kg.
Temperature Range	-5°C to 45°C.

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