

# Centralized Blasting Booster Model 571C-2



## Features

- The 571C-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.
- Guaranteed output energy for reliable firing of up to 12 Standard Type 0 or up to 3 Electric Shock Tube Starters in parallel via 3Ω (350m, 4mm<sup>2</sup>) firing cable.
- The 571C-2 is supplied in a sealed, lockable enclosure with a polycarbonate window to allow full view of the 571C-2 and includes two glands for the supply cables and a pair of spring-loaded terminals for the connection of the blasting cables.
- The 571C-2 monitors the status of the supply lines and can be individually isolated from the supply cable network.
- When used in conjunction with the Control Unit Model CBC-2, the 571C-2 provides continuous monitoring of the supply cables for open/short circuit faults.

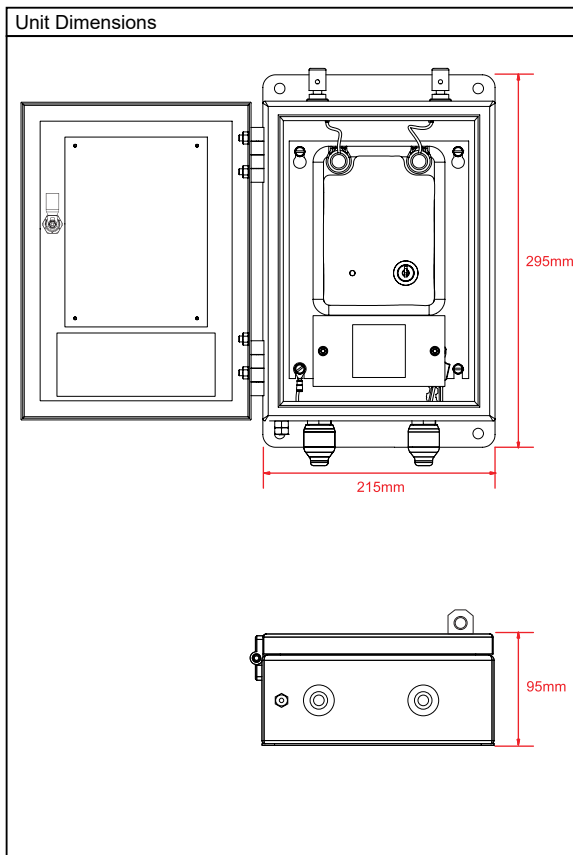
## Operation

- Owing to the extremely low supply current requirements, only light feed cables (1.5mm<sup>2</sup>) interlinking all Boosters at each level are required.
- The 571C-2 employs a firing capacitor, trickle charged from the Control Unit and delivers constant firing energy once the firing capacitor attains a full charge.

## Notice and Maintenance

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

## Specifications



IA Certificate Number	E-XPS/11191.
Nominal Energy	8.0J.
Output Voltage	580V.
Firing Time Delay	3-15s depending on the mains supply voltage.
Firing Capacity	Up to 12 Type 0 or up to 3 Electric Shock Tube Starters in parallel via 3Ω (350m, 4mm <sup>2</sup> ) firing cable.
Supply Voltage	Modified 160-250V <sub>AC</sub> 50Hz. 30-60V <sub>DC</sub> in cable network test (standby) mode.
Supply Current	Less than 50mA <sub>AC</sub> in firing mode; less than 1.1mA <sub>DC</sub> 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 571C-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.

### Warning and Disclaimer

The information and recommendations in this document are provided for reference purposes only and should not be construed as advice to cover every application of the product or variation of conditions under which the product may be used.