

Intelligent Section Control Unit Model ISC-1



Features

- The ISC-1 forms part of the Intelligent Centralized Blasting System.
- The ISC-1 can isolate the level/section while maintaining constant monitoring of all the Intelligent Blasting Boosters Models IB651 and Magnastar® IB212.
- A total of 15 Model IB651 or Magnastar® IB212 Intelligent Blasting Boosters can be connected to each Intelligent Section Control Model ISC-1.
- Information regarding connected Boosters is gathered and sent to the IBC-1 via the uplink.
- The ISC-1 continuously indicates the state of the Intelligent Centralized Blasting System cable network.
- The ISC-1 is supplied in a sealed, lockable enclosure with a polycarbonate window to allow full view of the ISC-1.

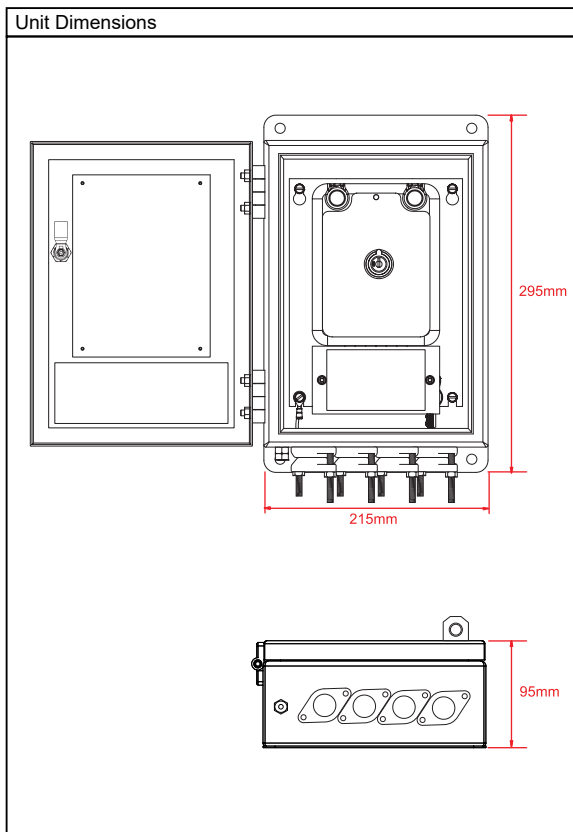
Operation

- The ISC-1 joins the inter-level shaft supply cables, which are normally interconnected to the outgoing cable, supplying all the Intelligent Blasting Boosters in one level/section.
- The key switch permits isolation of the outgoing level supply cable and allows for rapid location of short circuit faults.
- In ISOLATED mode, the downstream level supply cable is connected to the TEST terminals for 60 seconds, permitting testing of the cable for short circuit or earth leakage faults.

Notice and Maintenance

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

Specifications



IA Certificate Number	E-XPS/16087.
Supply Voltage	160-250V _{AC} .
Status Light	Flashes GREEN: supply cable is in working condition. Flashes RED: cable fault between ISC-1 and downstream Boosters. Flashes BLUE/RED: uplink to connected IBC-1 is lost/down. Flashes GREEN/RED: section isolated. Permanently RED: V _{AC} firing voltage supplied. Off: ISC-1 does not have a mains supply.
Section Controller	In the ON position connects the level supply cable to the Intelligent Blasting Control unit Model IBC-1. In the ISOLATED position isolates the level supply cable from the Intelligent Blasting Control unit Model IBC-1.
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 ISC-1.
Unit Dimensions	Plastic enclosure: 163mm x 125mm x 66mm. Steel enclosure: 295mm x 215mm x 95mm.
Unit Mass	6.3kg.
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.