



New South Wales
Department of Mineral Resources
Accredited Assessing Authority MDA-M2507

**COAL MINES REGULATION ACT, 1982.
NOTICE OF SUPPLEMENTARY APPROVAL**

NEW APPROVAL No.: Ex.11317.

FILE No.: M87/0581.

DATE.: 21/02/1994.

It is hereby notified that the Chief Inspector of Coal Mines, pursuant to the provisions of Clause 6 of the Coal Mines Regulation (Approval of Items) Regulation, 1984, and for the purposes of Clause 27 of the Coal Mines Regulation (Electrical-Underground Mines) Regulation, 1984, approves of variations to the apparatus listed herein as being in compliance with the requirements of, and for the purposes of the said Clause 27.

Description: EARTH LEAKAGE RELAY.

Old Identification: CMP-1 RANGE.

New Identification: 1-a/b.

Category (Clause 27): EXPLOSION PROTECTED.

Sub Category: PROTECTION.

This supplementary is issued to;

Name: BRAMCO ELECTRONICS.

Address: P.O.BOX 15, LAMBTON. NSW. 2299.

The original or previous Approval No.: MDA Ex.ib.1842. was issued to:

Name: BRAMCO ELECTRONICS.

Address: P.O.BOX 15, LAMBTON. NSW. 2299.

It is the responsibility of this approval holder to ensure that the above apparatus or cable is modified, tested, and supplied in accordance with the requirements of this approval, and where applicable the original approval.

This approval does not in any way reduce the need for manufacturers to comply with the Occupational Health and Safety Act No. 20, 1983 Section (18) Division 1, Part III.

A.J. Weeks
Assessing Authority
No.MDA-A2507
FOR THE CHIEF INSPECTOR OF COAL MINES

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APPROVED VARIATIONS.

1. Option to package the Earth Leakage Relay component with its Power Supply from the approved CMP-1 Protection Module in its own individual enclosure.
2. Addition of a Metering Point for a Graphical Display and Current Loop Output Device, as required.

DRAWINGS. A001900 Original Dated 01/02/1994.
A001901 Original Dated 03/11/1993.

APPROVAL CONDITIONS

1. The Voltage and Current switched by the Relay Output Contacts of the Intrinsically Safe Relay, shall no exceed 250 Volts rms, and 5 Amps, respectively, and the product of the Voltage and Current shall no exceed 100 VoltAmps.
2. The supplier of the electrical apparatus referred to in this approval has the responsibility to ensure that the apparatus conforms with the specifications laid down in this approval.
3. A copy of this approval shall be supplied with any of this apparatus supplied to a coal mine in New South Wales.
4. The Chief Inspector of Coal Mines has the right to vary or revoke this approval at any time.
5. Each Earth Leakage Tripping Device shall trip when the Fault Current flowing in the connected circuit exceeds the Current Setting.
The Tripping Time shall not exceed 50 milliseconds on instantaneous setting.

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APPROVAL CONDITIONS (Continued)

6. Each Earth Leakage Tripping Device shall be tested prior to dispatch to ensure compliance with requirements of Condition No.(2), (Previous Page).
7. Means provided for adjustment of either Tripping Current or Trip Time shall incorporate safeguards to prevent unauthorised adjustment.
8. The Earth Leakage Tripping Device shall not be used in an Hazardous Zone unless it is housed in an Enclosure approved for use in an Hazardous Zone.
9. The Earth Leakage Tripping Device shall be provided with a Test Facility at the time of installation, to test the operation at rated Tripping Current.

MARKING OF APPARATUS

The manufacturers Name/Mark, and Approval Number
MDA Ex.11317. shall be inscribed in a durable manner in
a prominent position on the apparatus.

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