



# QUEENSLAND DEPARTMENT OF MINES

G.P.O. BOX 194 BRISBANE 4001. Q.

QUEENSLAND MINERALS AND ENERGY CENTRE, 81 MARY STREET, BRISBANE. TELEPHONE: (07) 224 2111 FACSIMILE: (07) 229 7770 TELEX: AA43040

Your Ref:  
Our Ref: 12-0-6

Mr R.H. Golding  
224 2230

15 JAN 1987

22nd December, 1987

**ATTENTION: Mr K. Pass**

Dear Sir,

**Re: Approval of Control and Protection Unit Type CPM-1 QMD 87 6586 XU**

I refer to your correspondence of the 17th November, 1987 regarding the above unit. You are advised that the information and drawings provided indicate compliance with the requirements of the Queensland Coal Mining Act 1925-1981 and accordingly the item is hereby approved.

Attention is drawn to condition seven (7) of the attached approval which requires that a copy of the approval documents be supplied with each item of apparatus delivered to a Queensland coal mine. Failure to comply with this or any of the conditions detailed on the certificate may render the approval null and void.

This approval is issued subject to pre-commissioning inspection to establish that the requirements of the Coal Mining Act have been maintained.

Yours faithfully,

**P.J. Farrell**  
**Acting Chief Inspector of**  
**Coal Mines**

The Manager,  
Bramco Electronics,  
P.O. Box 15,  
LAMBTON, NSW 2299



# DEPARTMENT OF MINES

## ELECTRICAL APPARATUS

**APPROVAL CERTIFICATE FOR** Control & Protection Unit

**MODEL AND SERIES** Type CPM-1

**MANUFACTURED BY** Bramco Electronics

**MANUFACTURED FOR** General Mining Use

**LIMITATIONS TO OPERATION** may be operated at any location in an underground coal mine in Queensland in accordance with the requirements of the Coal Mining Act and conditions of approval.

**APPROVAL NUMBER** QMD 87 6586 XU

**CLASSIFICATION NUMBER** 1 Ex ib 150°C

**DATE** 22nd December, 1987

In accordance with the provisions of the Queensland Coal Mining Act 1925-1981 as amended it is hereby notified that on this date I have approved for use at Coal Mines in Queensland the above described apparatus subject to the following conditions.

- (1) Apparatus shall be provided with a permanent and durable method of marking to provide the approval identification and enclosure classification complying with the requirements of Australian Standards 2380 Part I - 1985.
- (2) The requirements of the Queensland Coal Mining Act 1925-1981 shall be complied with in regard to the installation, operation, maintenance and overhaul.
- (3) In normal operation the temperature of the external surface of apparatus shall not be permitted to exceed 150°C in accordance with Australian Standard 2380 - 1985.
- (4) There shall be no unauthorised variation in the materials, design, or construction associated with this approval as are indicated by the submitted drawing and other information without the prior consent of the Chief Inspector, and subsequent proof of compliance with the Coal Mining Act 1925-1981.
- (5) Unauthorised alteration or substitution of approved apparatus shall render this approval void.
- (6) When maintenance, alteration or repair is carried out on approved apparatus, compliance with the Queensland Coal Mining Act 1925-1981 as amended and Australian Standards Association Specifications shall be shown to be maintained.
- (7) A copy of these approval documents shall be provided with each item of this apparatus supplied to any underground coal mine in Queensland.



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- (6) When maintenance, alteration or repair is carried out on approved apparatus, compliance with the Queensland Coal Mining Act 1925-1981 as amended and Australian Standards Association Specifications shall be shown to be maintained.
- (7) A copy of these approval documents shall be provided with each item of this apparatus supplied to any underground coal mine in Queensland.

- (8) The voltage and current switched by the relay output contacts of the intrinsically safe relay shall not exceed 250 volts rms and 5 amps respectively, and the product of the voltage and current shall not exceed 100 Va.

### Approval Drawings

#### Protection/Monitoring Module

10900620 original issue dated July, 1987  
10900630 original issue dated July, 1987  
10900640 original issue dated July, 1987  
04400550 original issue dated July, 1987  
03200700 original issue dated July, 1987  
03200710 original issue dated July, 1987  
02400530 original issue dated July, 1987  
04200730 original issue dated July, 1987  
04200720 original issue dated July, 1987  
01400540 original issue dated July, 1987  
12100670 original issue dated July, 1987  
08100680 original issue dated July, 1987  
10900440 original issue dated July, 1987

#### Barrier Assembly

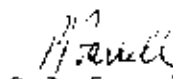
05900600 original issue dated July, 1987  
05900610 original issue dated July, 1987  
05100560 original issue dated July, 1987  
05100570 original issue dated July, 1987  
05200590 original issue dated July, 1987  
05200580 original issue dated July, 1987  
05200660 original issue dated July, 1987  
05200650 original issue dated July, 1987

### Approval Test Report

NSW Department of Industrial Relations and Employment Londonderry Occupational Safety Centre Test Report No. 3202 dated 21st September, 1987.

### Associated Approval

NSW Department of Industrial Relations Interim Approval No. MDA Ex 1642 issued 24th September, 1987.

  
P.J. Farrell  
Acting Chief Inspector of  
Coal Mines