



BEL-2B

NEW SOUTH WALES

Mr. C. Butterworth,
Bramco Electronics,
Box 39, P.O.,
WALLSEND. N.S.W.

DEPARTMENT OF MINES
11 LOFTUS STREET,
SYDNEY

27th January, 1966.

IN REPLY, PLEASE QUOTE **Ms.66/334**
AND ADDRESS TO P.O. BOX 48, SYDNEY
JLS:ED

Dear Sir,

Reference is made to your letter dated 17th January, 1966, wherein application for approval of a Frame Fault Monitoring System for use in association with battery-operated traction and other mobile equipment. I wish to advise that I have approved of the use of your fault monitoring device as outlined in your submission, "Earth-Leakage System for use on Battery-operated Shuttle Cars and Locomotives", and the accompanying block diagram No. 660101, in the coal and shale mines of New South Wales, subject to the following conditions :-

CONDITIONS:

- (1) There shall be no variation in design of circuit from that as set out in the attached and endorsed legend and block diagram.
- (2) When installed on "Approved" type battery-operated shuttle cars, locomotives or other mobile machines the unit shall be installed within an approved flameproof enclosure and comply with the Regulations contained in the 7th Schedule, Coal Mines Regulation Act, 1912, as amended, in all respects.

The Approval No. MDA/M.21 has been allotted.

An endorsed legend and block diagram are returned herewith.

Yours faithfully,
[Signature]
Chief Inspector of Coal Mines.

Encl.



NEW SOUTH WALES

Mr. C. Butterworth,
Bramco Electronics,
P.O. Box 39,
WALLSEND. 2287.

DEPARTMENT OF MINES
STATE OFFICE BLOCK
PHILLIP STREET SYDNEY, N.S.W. 2000

IN REPLY, PLEASE QUOTE M66/334

15th September, 1969.

Dear Sir,

re: Extension Approval MDA/M2.

I wish to advise that I have approved for use in the coal and shale mines of New South Wales the Model BEL2 Frame Fault Monitoring System for battery-operated shuttle cars and locomotives as detailed in your drawing No. 680301. Approval number MDA/M2 has been extended accordingly.

Yours faithfully,

Chief Inspector of Coal Mines.



NEW SOUTH WALES

BEL-27

Mr. C. Butterworth,
Bramco Electronics Pty. Limited,
P.O. Box 39,
WALLSEND. 2287.

DEPARTMENT OF MINES
STATE OFFICE BLOCK
PHILLIP STREET SYDNEY, N.S.W. 2000

IN REPLY, PLEASE QUOTE Ms66/334

Dear Sir,

29th Sept. 1970.

I wish to advise that the approval numbered MDA/M21 granted on 28th January, 1966 is hereby extended to include the earth leakage system shown schematically on Drawing No. 700101 dated 4th January, 1970. The conditions applying to the original approval shall also be pertinent to this extension.

Yours faithfully,


Chief Inspector of Coal Mines.

[Published in Government Gazette No. 114 of 26th
September, 1969.]

(5014) Department of Mines, Sydney, 17th September, 1969.

**COAL MINES REGULATION ACT, 1912, AS AMENDED.
—NOTICE**

**APPROVAL OF FRAME FAULT MONITORING SYSTEM ON
BATTERY OPERATED UNITS**

Papers M. 66/334

IN pursuance of the provisions of section 79A, Coal Mines Regulation Act, 1912, as amended, and by virtue of the provisions of Regulation 1, Seventh Schedule, of the said Act, it is hereby notified that I approved on the 15th September, 1969, for use in the coal and shale mines of New South Wales, the BEL2 Frame Fault Monitoring System for Battery Operated Shuttle cars and locomotives as submitted in Bramco Electronics drawing No. 680301, subject to the following conditions:

- (1) There shall be no variation in design of circuit from that as set out in the endorsed legend and block diagram.
- (2) When installed on approved type battery operated shuttle cars, locomotives and other mobile machines, the unit shall be installed within an approved flameproof enclosure and comply with the Regulations contained in the Seventh Schedule, Coal Mines Regulation Act, 1912, as amended, in all respects.

A copy of these conditions is to be supplied to each and every purchaser of this item.

The approval No. MDA/M.21 has been extended accordingly.

W. C. ANDERSON, Chief Inspector of Coal Mines.