



New South Wales

Department of Mineral Resources  
Accredited Assessing Authority MDA-M2507

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

**APPROVAL No.: NON Ex.11299.**

**FILE No.: C93/0412.**

**DATE.: 05/11/1993.**

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 as being in compliance with the requirements of, and for the purposes of the said clause 27 of any apparatus or cable listed below;

**Description:** ELECTRONIC SPEED SWITCH.

**Identification:** ESS - MKII.

**Category (clause 27):** NON EXPLOSION PROTECTED.

**Sub-category:** MONITORING - PROTECTION.

**This approval is 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 manufactured, tested, and supplied in accordance with the requirements of this approval including the schedule.

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.

This apparatus or cable may be used in any part of a coal mine in New South Wales subject to the requirements of this approval and the requirements of the Coal Mines Regulation Act, 1982.

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

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**APPARATUS DESCRIPTION**

A Twin Pulse Head Electronic Speed Switch, designated Type: ESS-MKII, designed to detect slippage on a Conveyor Drive Head without the use of Override Timers. The slippage is monitored from rest to full speed by comparing the outputs of a Pulse Generator on the Drive Roller, with the pulses of a Pulse Generator mounted on a Belt Driven Roller.

**APPROVED DRAWINGS**

A00400	Original	Dated 03/11/1993.
Test Report		Dated 21/10/1993.
Descriptive Data		Undated

**APPROVAL CONDITIONS**

1. A copy of this approval document shall be supplied with each Speed Switch supplied to a coal mine in New South Wales.
2. Only personnel appointed under the provisions of Clause (6) of the Coal Mines Regulation Act (Electrical Underground Mines) 1984, shall install and "set up" the said apparatus.
3. The apparatus shall not be installed for use in any part of a mine defined as being a hazardous zone for the purposes of the Coal Mines Regulation Act, 1984, as amended, unless the Pulse Heads are approved as being Intrinsically Safe.
4. The Chief Inspector of Coal Mines has the right to vary or revoke this approval at any time.

**MARKING OF APPARATUS**

The manufacturers name/mark, and approval number MDA NON Ex.11299. shall be inscribed in a durable manner in a prominent position on the Electronic Speed Switch.

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

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