



**Certificate Number:** M/18-1647X  
**Issue:** 20 February 2025  
**Expire:** 17 July 2028

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## IA – CERTIFICATE

### (Supplement 5: Supplemented for standard date correction)

IN TERMS OF REGULATION 21.17.2 OF THE MINERALS ACT (INCORPORATION THE MINE HEALTH AND SAFETY ACT) AND REGULATION 9 (1) OF THE ELECTRICAL MACHINERY REGULATIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT

Ex – Type Examination

Certificate number: MASC M/18-1647X

Equipment: Autec Remote

Serial No: See “Conditions of Certification”

Manufacturer/ Certificate Holder: A.J.M. Radio and Control (Pty) Ltd

Address: P.O Box 752037  
Gardenview  
2047  
South Africa

### DESCRIPTION:

The unit is a Joystick transmitter (Type FJR). It is made from ceramic plastic, which is yellow and black of colour and it is battery operated, the battery is secured underneath the unit. The unit has two joysticks, 4 analog levers and a stop function button. The typical working range is 100 m. The Dimensions of the unit is as follow, 260 mm x 200mm x 190mm.

### MARKING:

**Supplier:** A.J.M. Radio and Control (Pty) Ltd  
**Type:** Autec Remote  
**Model:** Autec Dynamic FJR/FJM  
**Ex rating:** Ex ia I Ma  
**IA No:** MASC M/18-1647X  
**T amb:** -20°C to +55°C

**Serial Numbers:** (See Conditions of Certification)

### WARNING:

- Do not charge the battery in the hazardous area.
- A static hazard may exist. Only wipe with a damp cloth.

**/ . COMPLIANCE...**

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Autec Remote - Auto Dynamic FJR  
(INTRINSIC SAFETY)  
(Supplement 5)

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## COMPLIANCE:

The unit as described above and in report number- MASC 18-1647-R4 is hereby certified "Explosion Protected" Ex ia I Ma -20°C to +55°C and is suitable for use in hazardous locations as stated below and as tested, assessed and inspected in accordance with the relevant requirements of SANS Standards:

**SANS 60079-0:2012** "Explosive atmospheres" – Part 0: Equipment - General Requirements

**SANS 60079-11:2012**"Explosive atmospheres" – Part 11: Equipment protected by intrinsic safety "i".

Location	Zone 0 & 1	Coal dust: Underground
Hazard Frequency	---	Continuous as could occur under normal operating
Environment	Group I	Methane and coal dust
Limiting Temperature		450°C (Methane gas)/ 150°C (coal dust)
Ambient Temperature	-20°C to +55°C	

***The use of apparatus in hazardous locations is subject to the following provisions as applicable, which shall be adhered to:***

- i) SANS 10086 requirements;
- ii) Any conditions mentioned in the above report;
- iii) Codes of Practice enforced in terms of Regulations 21.17.2 of Minerals Act, by Chief Inspector of Mines;
- iv) Any restrictions and conditions enforced by Chief Inspectors of Mines, Principal Inspector (Group I equipment) of Chief Inspector of Factories (Group II equipment);
- v) Any relevant requirements of the MHS Act or the OHS Act.

## CONDITIONS OF MANUFACTURE

- None

## SPECIAL CONDITIONS OF USE ("X")

- Do not charge the battery in the hazardous area.
- All safety components must be encapsulated to at least 1mm to free air.
- A static hazard may exist. Only wipe with a damp cloth

***/.*** According...

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According to the relevant requirements of the MHS Act and the OHS Act, production units of explosion protected equipment are required to comply with third party quality assurance (an approved mark scheme or batch testing by an accredited test laboratory.)



**D.P Visser**  
**TECHNICAL SPECIALIST**



**S. Jordaan**  
**TECHNICAL SPECIALIST**

*This document is issued based on Mining And Surface Certification's Standard Contract terms and conditions available on request.*

*While every endeavour is made to ensure that a test / assessment is representative and accurately performed, and that a report is accurate in the quoted results and conclusions drawn from the test / assessment, MASC or its members/employees shall in no way be liable for any error made in carrying out the test / assessment or for any erroneous statement, whether in fact or in opinion, contained in a report issued pursuant to a test / assessment.*

*MASC takes no responsibility for any non-conformances, exclusions or any results / assessments not in compliance with the standards. By marking the equipment in accordance with the documentation / standard, the manufacturer attests on his own responsibility that the equipment has been constructed in accordance with the applicable requirements of the relevant standards and that the routine verifications and routine tests have been successfully completed and the product complies with the documentation and standard(s).*

*This document is only for use and application in South Africa. It is issued based on National interpretations and accepted practises.*

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