Installation Instructions

A100-A103

AS-i Megablock Series

1010.1 Equipment Information

Equipment Class III, Pollution Degree 1, Installation Category I

Maximum Altitude:	2000m
Humidity:	0 to 90% (non-condensing)
Electrical Supply Class:	Class 2
Operating Temperature:	-45°C to 70°C

For Indoor Use Only (IP 54 minimum enclosure)

Installation

Refer to the drawing 500-522, included in this document, as a typical installation of an AS-i Megablock. Actual segment connections may vary depending on factors such as the required number of AS-i devices to be connected to the segment (determines the specific models and quantities of AS-i Megablocks used).

Mounting

AS-i Megablocks are designed to be mounted on 35 mm DIN rail using the clip mechanism on the back of each unit. Mounting can be vertical or horizontal. Use of DIN rail end stops is recommended.

AS-i Megablocks must be installed inside an enclosure with a minimum rating of IP 54.

Once all wiring connections have been made, the retaining screws on each pluggable cable connector should be securely fastened.

Testing/Troubleshooting

Once DC power has been connected to the AS-i segment, the green power LED on the AS-i Megablock should be lit, indicating that a minimum of 9.7VDC is present on the segment trunk. **If the green LED is not lit**, verify the integrity and polarity of the trunk cable connections to the AS-i Megablock, that the voltage measured at the trunk connection to the AS-i Megablock is greater than 9.7VDC, that there are no shorts in the trunk cable, and that the power supply is operating properly.

On AS-i Megablock models with SpurGuard™ current limiters, verify that none of the red short circuit LED's are lit. **If any of the red short circuit LED's are lit**, remove the three-conductor plug from the affected spur connection. Locate and repair the short circuit on the spur cable before reconnecting.

On AS-i Megablock models with SpurGuard™ current limiters, verify that the red Fault LED is not lit. **If the red Fault LED is lit**, the SpurGuard™ current limiter circuitry has failed. Replace the AS-i Megablock as soon as possible to restore current limiting functionality.

Operation

During normal operation, the green power LED should be lit. If the green LED is not lit, follow the instructions in the testing/troubleshooting section above.

On AS-i Megablock models with SpurGuard™ current limiters, a lit red short circuit LED indicates a short in a spur cable or in the AS-i device connected to the spur cable. The LED will cease to be lit once the short has been repaired.

On AS-i Megablock models with SpurGuard™ current limiters, a lit red Fault LED indicates that the SpurGuard™ current limiter circuitry has failed. Replace the AS-i Megablock as soon as possible to restore current limiting functionality.

Maintenance Requirements

AS-i Megablocks contain no user serviceable parts. Non-functioning units should be returned to the manufacturer for replacement or repair.

Specific Conditions of Use

1. The product must be installed in a final equipment enclosure in compliance with, mounting, spacing and segregation requirements of the ultimate application, including the use of a tool secured cover.
2. When installed in hazardous locations a warning label must be prominently affixed near the unit(s) which warns the equipment must not be disconnected unless the area is known to be non-hazardous.

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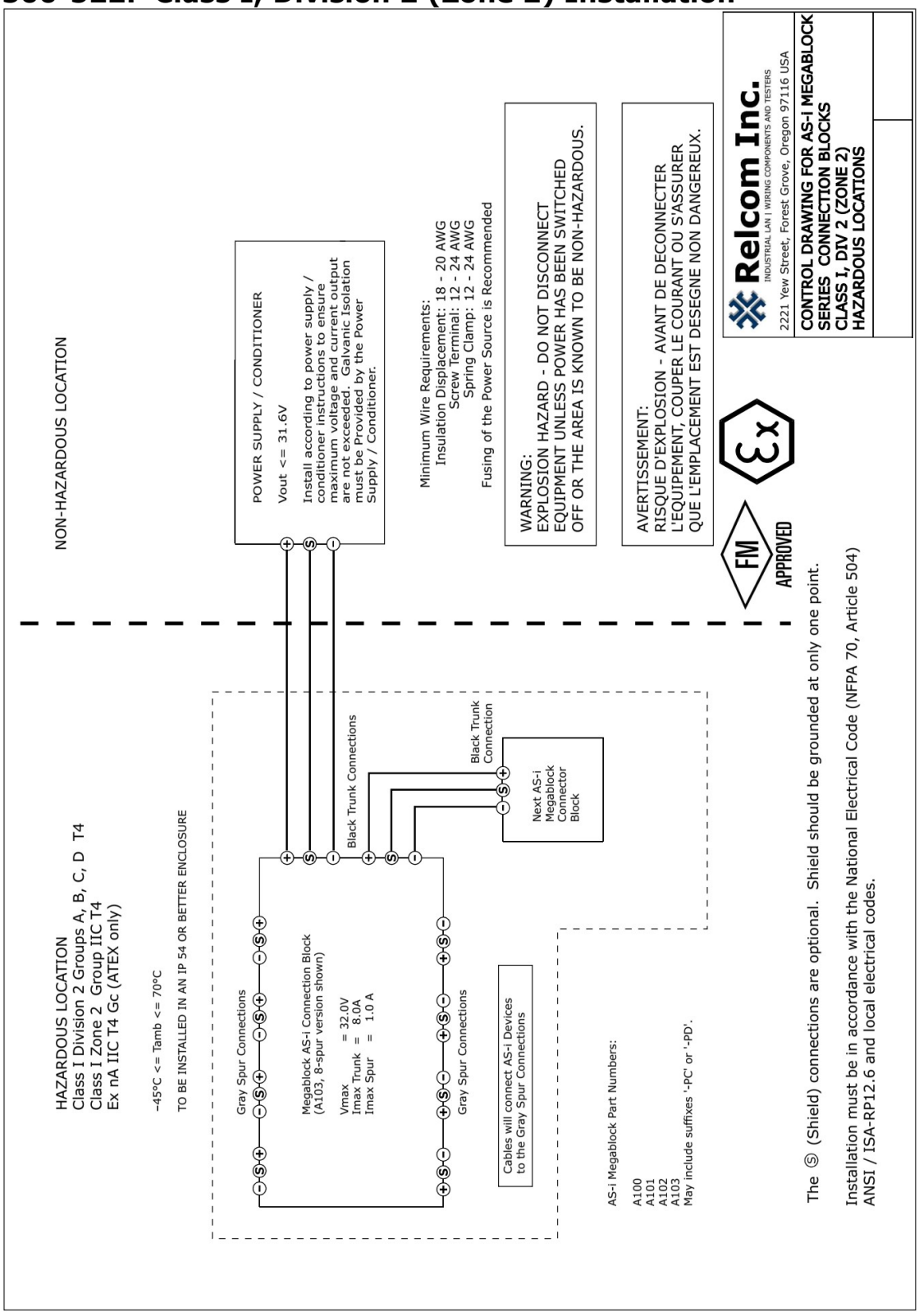
500-521 Rev. B.0

500-522: Class I, Division 2 (Zone 2) Installation



For More Information

If further assistance is required, please contact an authorized MTL Distributor, Sales Office, or Customer Service Department.

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