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# 1. Introduction

## **About this manual**

This manual was prepared to aid in the Installation and commissioning of the Dual channel barrier.

# 2. Warranty

The dual channel barrier carries a one year limited warranty on all parts and labour.  
(Full warranty details available on request)

# 3. Safety information

Dangerous voltages can occur on the connectors, even if the auxiliary voltage has been disconnected.

Only a certified electrician is allowed to carry out the electrical installation.  
Breaking the seal on device will result in loss of warranty.  
Electrical safety regulations must always be followed.

## 4. Connections

Non IS A

Non IS B

High quality Earth

IS A

IS B

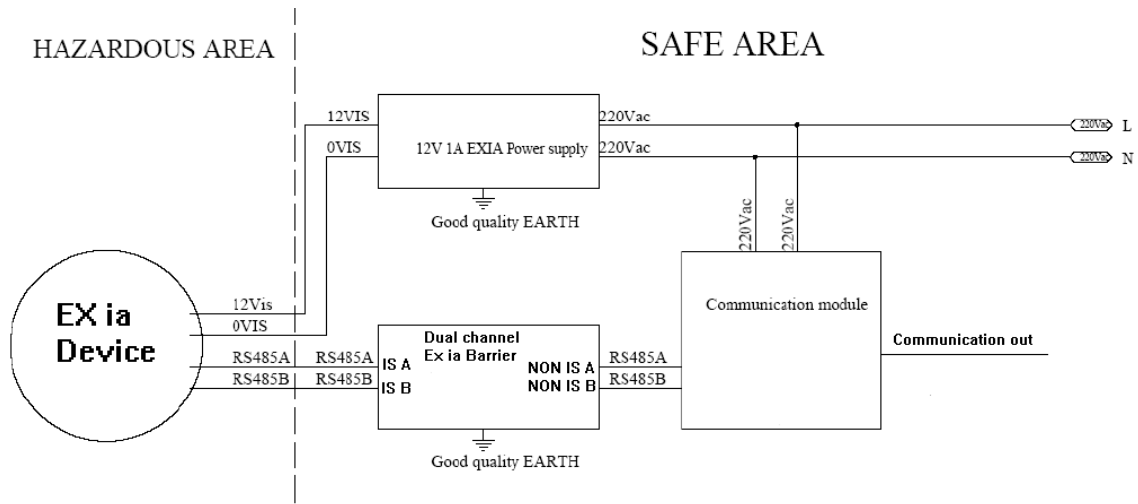
## 5. Face Plate



# 6. Operation

The Slim Line Dual channel EX ia Barrier is designed to act as a barrier between a hazardous and non-hazardous area. The unit is passive and therefore requires no supply voltage to operate.

Example system using a Slim Line dual channel Ex ia Barrier



# 7. Approvals and Markings

 CC 2008/202081/23 MASC M/09-053X	<b>NINGI SERVICES</b> <b>NINGI SL Barrier</b>
<b>Manufacturer:</b> Ningi Services	<b>Ex Rating:</b> [Ex ia] I (-20°C ≤ Tamb ≤ +55°C)
<b>Type:</b> Ningi IS Barrier	<b>I.A. Number:</b> MASC M/10-291X
<b>Um = 250V AC</b>	<b>Po = 2.7W</b>
<b>Uo = 15.8V (per channel)</b>	<b>Co = 13.6uF</b>
<b>Uo = 17.2V (dual channel)</b>	<b>Lo = 807 uH</b>
<b>Io = 760mA</b>	<b>Lo/Ro = 156 uH/Ω</b>
<b>Manufacturer</b> <a href="http://www.tech4000.com">www.tech4000.com</a>	<b>Toll Free</b> 0800 000 400

# 8. Terms and conditions

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