ATEX II 3 GD Certificate

RELC07ATEX1002X

We, Relcom, hereby declare that the following equipment complies with Directive 94/9/EC (ATEX):

F801	**8 Channel Isolated Fieldbus Module (21.5V, 350mA)**
F802	**8 Channel Isolated Fieldbus Module (28V, 500mA)**
F822-CA	**8 Channel Redundant Fieldbus Carrier - Yamatake Version - Horizontal DIN**
F880-CA	**8 Channel Redundant Fieldbus Carrier - Yokogawa Version - Vertical DIN**
F880-CL	**8 Channel Redundant Fieldbus Carrier - Yokogawa Version - Vertical DIN – Left Hand**
F880-CR	**8 Channel Redundant Fieldbus Carrier - Yokogawa Version - Vertical DIN – Right Hand**
F880-CA-RT	**8 Channel Redundant Fieldbus Carrier – Yokogawa Version – Vertical DIN – Ring Term**
F882-CA	**8 Channel Redundant Fieldbus Carrier - Yokogawa Version - Horizontal DIN**
F890-CA	**8 Channel Redundant Fieldbus Carrier - Standard Version - Vertical DIN**
F892-CA	**8 Channel Redundant Fieldbus Carrier - Standard Version - Horizontal DIN**
F822-[2-]P*	**8 Channel Redundant Fieldbus Power Supply - Yamatake Version – Horiz. DIN**
F880-[2-]P*	**8 Channel Redundant Fieldbus Power Supply - Yokogawa Version – Vert. DIN**
F880-[2-]L*	**8 Channel Redundant Fieldbus Power Supply - Yokogawa Vers. – Vert. DIN – Left Hand**
F880-[2-]R*	**8 Channel Redundant Fieldbus Power Supply - Yokogawa Vers. – Vert. DIN – Right Hand**
F880-[2-]RT	**8 Channel Redundant Fieldbus Power Supply – Yokogawa Vers. – Vert. DIN – Ring Term**
F882-[2-]P*	**8 Channel Redundant Fieldbus Power Supply - Yokogawa Version – Horiz. DIN**
F890-[2-]P*	**8 Channel Redundant Fieldbus Power Supply - Standard Version – Vert. DIN**
F892-[2-]P*	**8 Channel Redundant Fieldbus Power Supply - Standard Version - Horiz. DIN**

***** = **S** for Pluggable Screw connectors, **C** for Pluggable Spring Clamp connectors.
[2-] = F802 modules are used instead of F801 modules
Other suffixes may appear in the above part numbers and are covered by this certificate.

Manufactured by:
Measurement Technology Limited, Great Marlings, Butterfield, Luton Beds. LU2 8DL. UK

Authorized Representative in the EU:
Measurement Technology Limited, Great Marlings, Butterfield, Luton Beds. LU2 8DL. UK

This equipment fulfils all the requirements for Group II, Category 3 G equipment in accordance with Directive 94/9/EC. The equipment comply with:

IEC 60079-0:2004 “Electrical apparatus for potentially explosive atmospheres - General requirements”
IEC 60079-15:2005 “Electrical apparatus for potentially explosive atmospheres – Construction, test and marking of type of Protection ‘n’ electrical apparatus”

The design is documented in the Relcom Technical File No. 502-018

The safety marking, **Ex nA IIC T4**, of the apparatus is specified in the Technical File (Document No. 502-018) and includes the distinctive community marks:

II 3 GD

The maximum output parameters for each of the F8xx outputs are as follows:

Simplex operation with one F801 module:	24.0V, 420mA (U_o = 24.0V)
Redundant operation with two F801 modules:	24.0V, 840mA (U_o = 24.0V)
Simplex operation with one F802 module:	30.0V, 580mA (U_o = 30.0V)
Redundant operation with two F802 modules:	30.0V, 1160mA (U_o = 30.0V)

Manufacture is internally controlled by a Quality System modeled after ISO 9001:2008 and EN13980:2002.

The apparatus is designed to be installed and used in accordance with IEC 60079-14:2003.

The ambient operating temperature range is -40ºC to +65ºC. Derate to +50ºC for F802 operated above 300mA/segment (ave.).

Apparatus meets the ATEX Directive requirements for personnel protection by complying with the LVD Directive 2006/95/EC. The personnel safety standards of EN61010-1 are also met by the apparatus.

Special Conditions of safe use: The Apparatus must be installed in an enclosure or an environment that ensures at least IP54 protection. When mounted in Zone 22 (dust) hazardous areas, the enclosure in which the apparatus is mounted should meet the requirements of IEC 61242.

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