



TYPE EXAMINATION CERTIFICATE



Equipment or Protective System Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC

Type Examination Certificate Number: **RTK08ATEX0222X**

Equipment or Protective System: **NEX7250 Annunciator**

Manufacturer: **RTK Instruments Limited**

Address: **St James Business Park, Knaresborough, HG5 8PJ**

This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

RTK Instruments certifies that this equipment or protective system has been found to comply with the 'Essential Health and Safety Requirements' relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II of the Directive.

The examination and test results are recorded in confidential report No.

NEX7250-0222

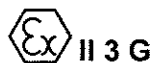
Compliance with Essential Health and Safety Requirements has been assured by compliance with:

BS EN 60079-0:2004

BS EN 60079-15:2005

This certificate relates only to the design and construction of the specified equipment or protective system. If applicable, further requirements of this directive apply to the manufacture and supply of this equipment or protective system

The marking of this equipment or protective system shall include the following:



Ex nA [nL] IIC T4

Tamb = -20°C to +50°C

This certificate may only be reproduced in its entirety and without any change, schedule included.

Paul Hartley
Managing Director
RTK Instruments Ltd
25th April 2008



Schedule



Type Examination Certificate No. RTK08ATEX0222X

Description of Equipment or Protective System

A standard 725 is to be enclosed in either Rittal EL type cabinet or Delvalle MVAE type stainless steel cabinet both are manufactured from metal with a clear glass window on the front and two hinged joints with an IP rating of IP55.

Or

An RTK panel mount enclosure manufactured from metal with a clear Perspex window with an IP rating of IP54.

The P725 to be certified can be rated up to 5.72A which allows for up to a max of 184 small windows (46 cells), 108 medium windows (55 cells) or 55 large windows (56 cells).

This includes repeat and group relays and RS485 output.

Wall mount version can also come with optional DB5 or DA132, VA2 and up to 6 external pushbuttons.

Relays are prevented from sparking by limiting the current to the relay contacts to a safe level under normal operation. Energy limiting terminal parameters:

$V_i = 24V$, $I_i = 45mA$, $P_i = 1.3W$, $C_i = 0$, $L_i = 0$

This equipment or protective system is intended to be mounted in a zone 2 area and has passed all requirements for 'n' type certification.

Report No: NEX7250-0222

Special Conditions for Safe Use:

- The equipment shall not be directly installed in any area where its enclosure might be electro-statically charged by the rapid flow of dust-laden air or a nonconductive media and must be cleaned only with a damp cloth.
- Cable glands when installed in accordance with the instructions shall provide a degree of protection of at least IP54 as defined in EN60529.
- The equipment shall not be directly installed in any area where there is a high risk of mechanical danger.

Essential Health and Safety Requirements

See report NEX7250-0222

Documents:

Number	Rev	Date	Description
CE8567	0	30/04/08	General Assembly Drawing – Panel Mount
CE8568	0	30/04/08	General Assembly Drawing – Rittal Wall Mount
CE8569	0	30/04/08	Label Drawing
CE8578	0	16/05/08	General Assembly Drawing – Delvalle Wall Mount

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SUPPLEMENTARY TYPE EXAMINATION CERTIFICATE



Equipment or Protective System Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC

Supplementary Type Examination Certificate Number: **RTK08ATEX0222X/1**

Equipment or Protective System: **NEX7250 Annunciator**

Manufacturer: **RTK Instruments Limited**

Address: **St James Business Park, Knaresborough, HG5 8PJ**

This supplementary certificate extends Type Examination Certificate No RTK08ATEX0222X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

Paul Hartley
Managing Director
RTK Instruments Ltd
11th December 2008



Schedule



Type Examination Certificate No. RTK08ATEX0222X/1

Description of Equipment or Protective System

Variation 1.1

Additional zone 2 PSU added to wall mount enclosures. The following PSU's can be mounted be mounted dependant on system size:

PSU	Input Voltage	Output Voltage	Output Current	Max Power @ 50°C
TSP 090-124EX	100-240Vac	24Vdc	3.18A	76.5W
TSP 180-124EX	100-240Vac	24Vdc	6.37A	153W

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Special Conditions for Safe Use:

- The equipment shall not be directly installed in any area where its enclosure might be electro-statically charged by the rapid flow of dust-laden air or a nonconductive media and must be cleaned only with a damp cloth.
- Cable glands when installed in accordance with the instructions shall provide a degree of protection of at least IP54 as defined in EN60529.
- The equipment shall not be directly installed in any area where there is a high risk of mechanical danger.

Documents:

Number	Rev	Date	Description
CE8568	1	11/12/08	General Assembly Drawing – Rittal Wall Mount
CE8578	1	11/12/08	General Assembly Drawing – Delvalle Wall Mount

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