

---

# NEX7250 Alarm Annunciator

---

Designed to Type “n” standards for Zone 2 hazardous areas

---

**Suitable for use in Zone 2 hazardous areas**

**Self certified Ex nA [nL] IIC T4 to EN60079-15**

**Ultra-bright LED illumination as standard in six colours**

**Multi-redundant design (ensuring no single point can cause failure)**

**Fully field programmable for all standard ISA sequences plus a range of options**

**Options for RS485 serial interface and repeat relay per channel**

---

The NEX7250 Zone 2 Programmable Alarm Annunciator offers a range of features and benefits normally reserved for use in safe area annunciators only.

The heart of the system is the field proven Series 725 Alarm Annunciator which is available in 3 individual window sizes 30 x 30mm, 30 x 60mm or 60 x 60mm.

Reliability of the system is vastly improved over conventional systems with the use of ASIC (Application Specific Integrated Circuits) technology for each pair of alarms, removing any reliance on common control cards.

The standard unit is wall mounting but panel mounting versions can also be supplied. Both types have a hinged acrylic viewing window sealed to IP54.

Systems are available in a range of formats and sizes and all carry the same approval to internationally recognised Zone 2 standards.



# Technical Specification

## Certification

Self certified to EN60079-15:2005 under the ATEX Directive 94/9/EC

Group II, Category 3G, Ex nA (nL) IIC T4 (Ta -20°C to +50°C)

## Location

Zone 2. Gas Groups IIC, IIB or IIA.  
Temp Class up to T4

## Certificate No.

RTK08ATEX0222X

## Number of alarm ways

Systems are available in a range of sizes up to 184 small windows, 108 medium windows or 55 large windows

## Material

Industry standard, steel, wall mounting enclosures or bespoke panel mounted versions both sealed to IP54. Stainless steel options can be supplied as an option.

## Connections

On the wall mounted version the Annunciator is wired to a row of terminals. The panel mounted version can be connected directly to the Annunciator. Terminals are suitable for cable sizes up to 2.5mm<sup>2</sup> and would be wired via the appropriate gland plate.

## Cable Entries

Units are fitted with removable un-drilled gland plates to allow access to customer connections.

## Pushbuttons, Sounders and Beacons

Remote pushbuttons & certified Sounders and Beacons can all be catered for as part of the overall alarm system.

## Hinged Door

The front acrylic cover of the enclosure is hinged to allow easy access for configuration, wiring and commissioning.

## Outputs

Units are equipped with dual common alarm and dual horn relays as standard.

Individual repeat relays per channel and RS485 serial interface options are available on request.

## Environment

Operating Temperature: 0 to 50°C  
Storage Temperature: -20 to 80°C  
Humidity: 0-95% RH, non condensing

## Supply

24VDC as standard, other voltages available on request

## Protection

IP55 – wall mounted  
IP54 – panel mounted

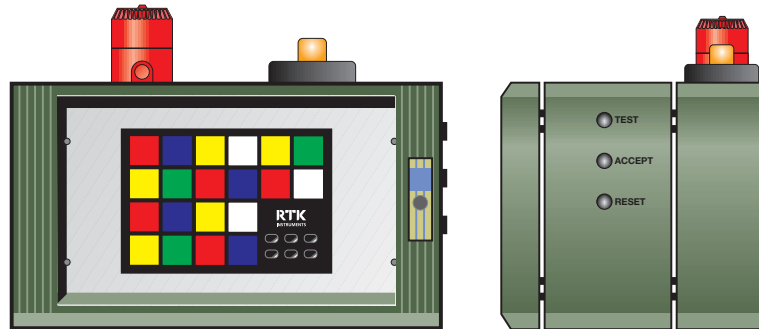
## Detailed Specification

Please refer to the Series 725 datasheet for full details on the Alarm Annunciator specification.

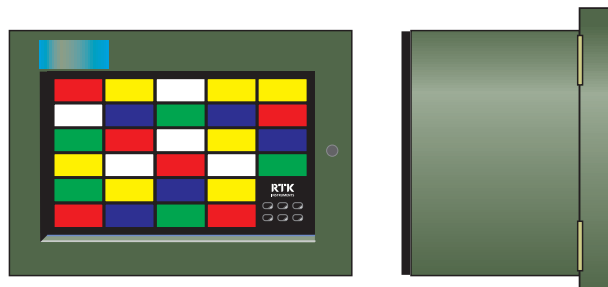
## Specials

The details shown below are typical arrangements only, systems can be designed and manufactured to each customer's exact requirements.

## Wall Mounted Version



## Panel Mounted Version



Due to our policy of continuous product development, we reserve the right to amend specifications without notice.



RTK Instruments Limited  
St James Business Park,  
Knaresborough, North Yorkshire,  
England. HG5 8PJ

A member of the MTL Instruments Group plc

Telephone: +44 (0)1423 580500  
Facsimile: +44 (0)1423 580501  
Web: [www.rtkinstruments.com](http://www.rtkinstruments.com)  
Email: [enquiry@rtkinstruments.com](mailto:enquiry@rtkinstruments.com)