
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 colors

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

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

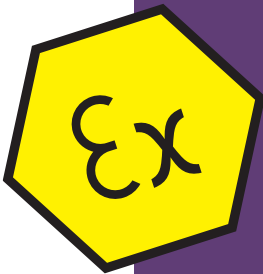
Options for RS485 serial interface and repeat relay per channel

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 1.18" x 1.18" (30 x 30mm), 1.18" x 2.36" (30 x 60mm) or 2.36" x 2.36" (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 -4°F to 122°F (-20 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 12 AWG (2.5mm²) 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:
32°F to 122°F (0 to 50°C)
Storage Temperature:
-4°F to 176°F (-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

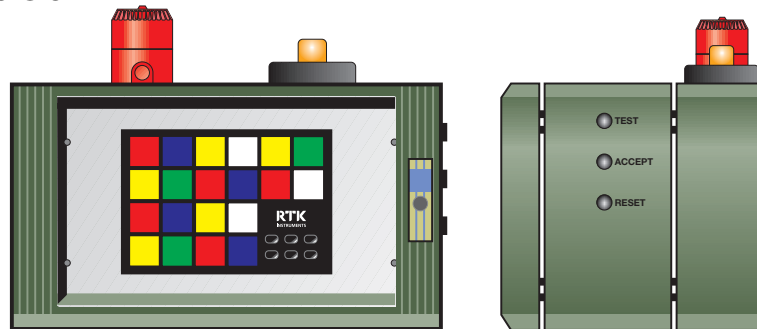
Detailed Specification

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

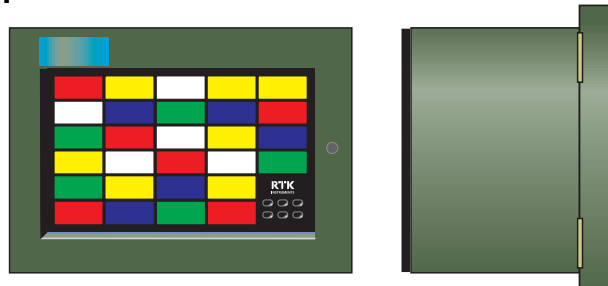
Specials

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
1531 Stuyvesant Avenue
Union
New Jersey 07083
USA

A member of the MTL Instruments Group plc

Telephone: 908 688 6709
Facsimile: 908 688 9040
Email: sales@rtkinstruments.com
Web: www.rtkinstruments.com