

PEX7250 Explosion Proof Alarm Annunciator

For total programmability in hazardous areas

Suitable for use in Zone 1 and Zone 2 Hazardous areas

Certified EEx d IIB T5 to EN50018

Ultra-bright LED illumination as standard

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

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

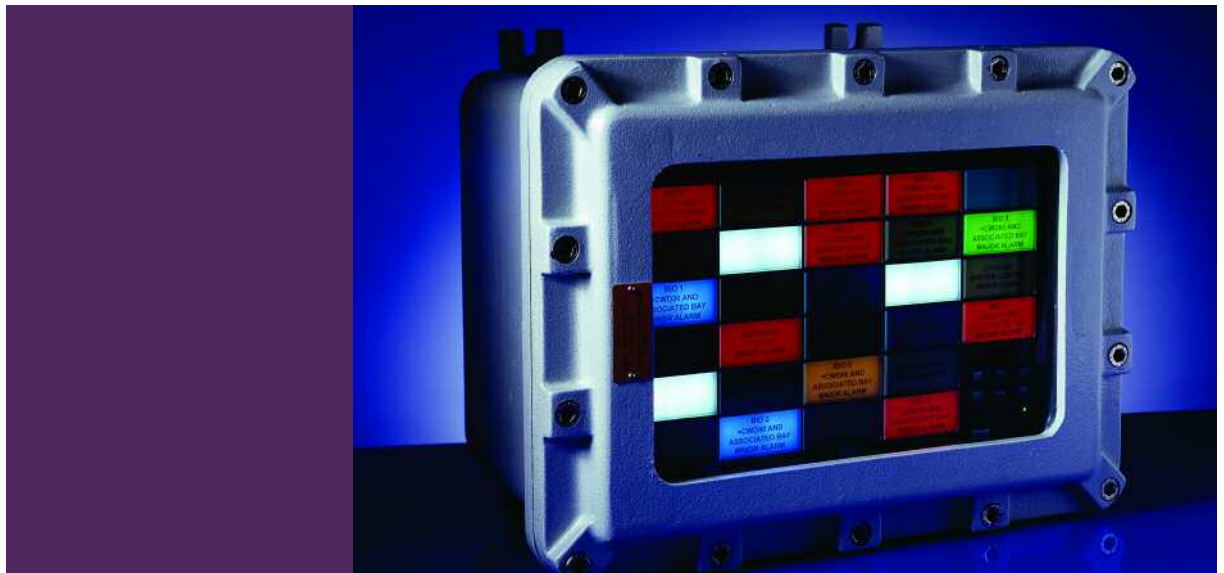
Dual horn relays and dual group relays

RS485 serial interface and repeat per channel options

The PEX7250 Explosion Proof Alarm Annunciator offers a vast range of features and benefits normally reserved for use in safe area annunciators only. The heart of the system is our 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 ASICs (Application Specific Integrated Circuits) for each pair of alarms, removing any reliance on common control cards. The standard enclosure is copper-free cast alloy, finished in a light grey two-part epoxy paint, making it ideal for offshore applications.

Systems are available in a range of formats and sizes and are certified for use in Zone 1 hazardous areas.

All systems are automatically covered by our standard 5-Year Warranty.



Technical Specification

Certification

ATEX certified to EN50014:1997,
EN50018:1994 Group II, Category 2GD,
EEx d IIB T5

Location

Zones 1 or 2. Gas Group, IIC, IIB or IIA,
Temp Class up to T5

Certificate No.

Based on CESI00ATEX036U

Number of alarm ways

Systems are available in a vast range of
sizes depending on window size from
1 to 56 points in a single enclosure.

Materials

The EEx d enclosure: copper-free cast
alloy. EEx de Control Station and EEx e
Terminal Box: GRP

Connections

The annunciator is wired to a row of
terminals suitable for cable sizes up to
2.5mm². On larger systems, the terminals
are mounted within an EEx e terminal box
below the EEx d enclosure.

Cable Entries

Five M20 cable entries are included as
standard. Alternative quantity and size of
metric or NPT threads can be provided
on request.

Pushbuttons

Test, Accept and Reset are included as
standard, additional control pushbuttons
can be added as required. These are
mounted in an attached, certified EEx de
Control Station.

Cover

The cover is hinged as standard, to allow
easy access for wiring and commissioning.

Outputs

Units are equipped with dual group relays
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

Protection

IP65 as standard, IP66 can be obtained
using suitable sealant and gasket.

Detailed Specification

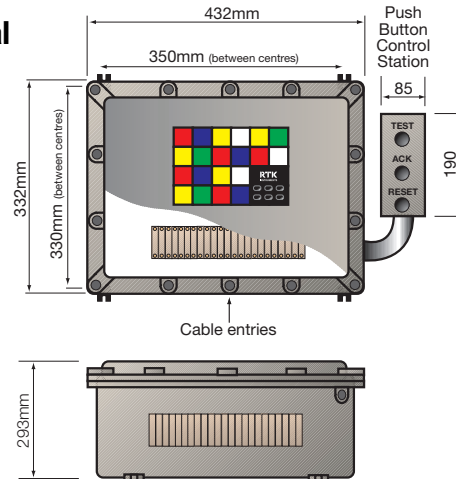
See the Series 725 datasheet for full details
on the Alarm Annunciator specification.

Specials

The details shown here demonstrate our
standard range of EEx d IIB Annunciators.
RTK Instruments can quote for
alternatives and IIC systems on request.

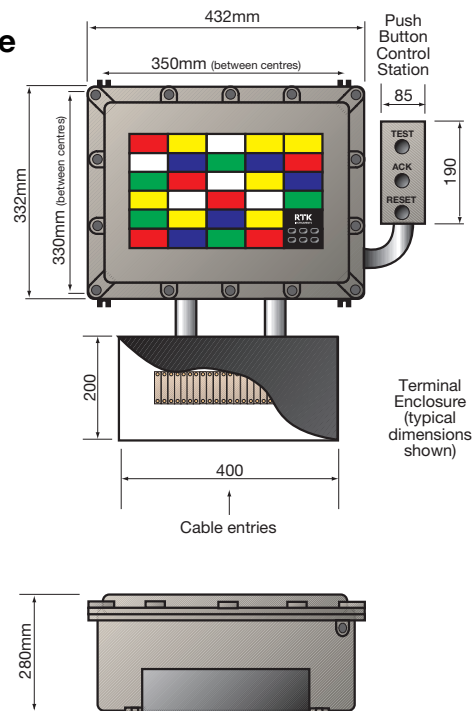
With Integral Terminals

*Suitable for
4 to 20-way
Annunciators*



With Separate Terminal Enclosure

*Suitable for
16 to 56-way
Annunciators*



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



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