

RTK PEX7250

Explosion proof alarm annunciator
for total programmability in hazardous areas

- Suitable for use in Zone 1, 2, 21 and 22 Hazardous areas
- Certified Ex d IIB +H2
T100°C/T85°C
- 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
- IEC61508 certified version to IL2 level
- Options include: Horn and Group Relays, Repeat relays per channel, RS485 communications



For total programmability in hazardous areas

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 one of our field proven Alarm Annunciators; the 725 range, 725B/C or the SIL725. These are available in three different window sizes depending on the model choice, these are 30 x 30mm, 60 x 30mm or 60 x 60mm.

Reliability of the system is vastly improved over conventional systems using our multi-redundant annunciator designs, removing any reliance on common control cards. The standard enclosure is copper-free aluminium alloy, finished in a light grey 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
 EN60079-0:2012 +A11:2013
 EN60079-1:2014, EN60079-11:2012
 EN60079-31:2013
 Group II, Category 2 GD, Ex d IIB H2,
 Group IIIC IP66/67
 T100°C/85°C

Location

Zones 1 or 2. Gas Group IIB +H2 or IIA
 Zones 21 or 22. Dust
 Temp Class up to T85°C for Ta = 40°C
 Temp Class up to T100°C for Ta = 55°C

Certificate No.

Baseefa06ATEX0089X

Number of alarm ways

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

Materials

The Ex d enclosure: copper-free cast alloy. Ex de Control Station and Ex 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 Ex e terminal box below the Ex 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 Ex de Control Station

Cover

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

Outputs

Units can be equipped with a variety of different outputs for group relays, horn relays, RS485 communications or SIL2 compliant relay outputs. These will depend on the model and variant requested

Environment

Operating temperature:
 -20 to 40°C for T85°C
 -20 to 55°C for T100°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

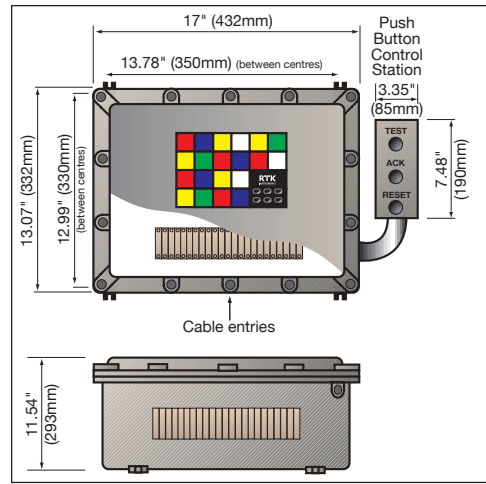
See the relevant datasheet on the particular Annunciator used, either RTK725 range, RTK725B/C or RTKSIL725 for full details on Alarm Annunciator specification

Specials

The details shown here demonstrate our standard range of Ex d IIB Annunciators. The Eaton team can quote for alternatives and IIC systems on request

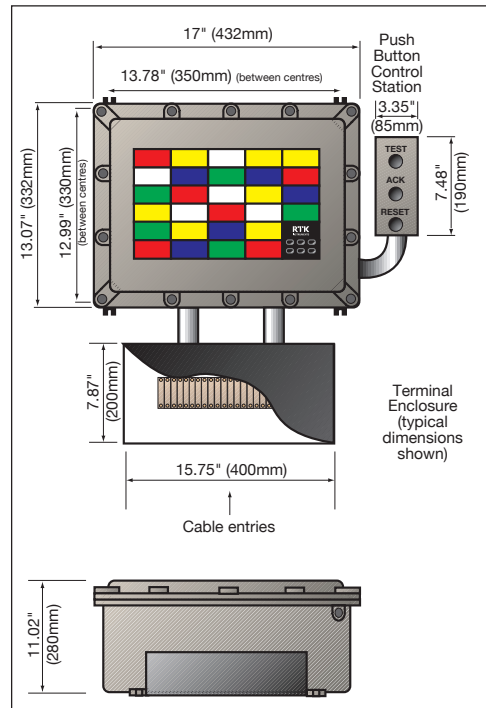
With Integral Terminals

Suitable for 4 to 20-way Annunciators



With Separate Terminal Enclosure

Suitable for 16 to 56-way Annunciators



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