

K Controls Ltd

K Controls designs and manufactures networking, monitoring and control equipment for pneumatic or hydraulic actuators that are used on valves or dampers. Products include switchboxes, switch / solenoid control centres, fieldbus interfaces, and position transmitters.

Quality systems and product approvals

The company meets the requirements of BS EN ISO9001: 2008. Products can be supplied ATEX, IECEx, cCSAus (Zones and Divisions) or INMETRO certified for use in hazardous areas. Switchboxes where the instrument loops, to which they are connected, are implementing safety functions up to SIL1, SIL2 or SIL3, are available with third party certification.

Corrosion resistant enclosures

Enclosures are either aluminium (anodised and polyester coated) or stainless steel. Special alloys such as Super Duplex or 254SMO are available for sub-sea use. Surface coatings include NORSOK M501 Rev 6 System 7B (Sub-sea) paint.

Fieldbus compatibility

AS-interface®, DeviceNet™, HART®, PROFIBUS® PA or FOUNDATION™ FIELDBUS

Artic service

Switchboxes fitted with GO™ switches are suitable for Artic service (-60 degrees C).



Fire and smoke dampers

Switchboxes tested to very high temperatures (up to 400 degrees C) for monitoring the position of emergency ventilation dampers in road, rail or metro tunnels. Field proven and tested successfully beyond 1 million operations.

Position transmitters for rising stem valves

The use of rotary position transmitters to monitor the position of rising stem valves can result in linearity errors. K Controls 4-20 mA position transmitters (with or without HART®) are programmable to compensate for lever geometry, giving a linear output regardless of valve stroke.

Sub-sea

IP68 submersible switch boxes and position transmitters are used for applications such as rig positioning, sub-sea emergency shutdown valves and tanker loading or balancing. Most units are designed for

depths of 150 metres and special pressure balanced units are available for depths to 2500 metres. Exi and Ex d certification is an option should the unit be required for intermittent submersion in a hazardous area (e.g. in ballast tanks). Sub-sea connectors or cable penetrators can be supplied along with the associated cable.

Markets

The main markets served are biopharmaceutical, petro-chemicals and oil and gas production.

USP

Combining sound advice with the supply of safe and reliable products has allowed K Controls to build trust with its clients. Service is enhanced via rapid response times to enquiries, detailed quotations supported by comprehensive technical documentation and an ability to quickly customise products to meet specific needs.



Company

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