

## Control Solutions for Valves and Actuators

All products in the K Controls range have been designed to provide accurate, reliable and safe monitoring or control of valves or dampers throughout the design life of your plant.

Specialised advice, design excellence, an ability to exactly customise products to match your requirements and quality systems in accordance with an ISO9001 all help minimise the time and money you spend on product sourcing, specification, installation, commissioning and maintenance.

We ensure that all our products conform to all the latest safety standards and where relevant they are CE marked in accordance with the EMC, Low Voltage or ATEX directives. Attention to these important issues will ensure compliance during your plant safety audits.

Products in the range include:



### 007 Switchboxes

Mechanical, solid state proximity, magnetic reed proximity or pneumatic switches. IP67 coated aluminium or stainless steel enclosures impact tested to 6 joules. Low profile space saving cover option and versions for back wiring local solenoids. Linear or rotary drives. Highly visible "Klearvision" position indicators. Versions for hazardous or hostile applications: EEx ia, EEx ed, EEx d, high temperature 300°C and subsea.



### 007C Switch Solenoid Control Centres

The addition of one or more solenoids and a pneumatic control valve to the 007 Switchbox transforms the product into a fully integrated switch solenoid control centre. The solenoids are protected from site damage and connection is via a single multicore cable. EEx ia and EEx d options and special versions for double acting "stay put", dual redundant (safety related) systems and single conduit connection of the electrical and pneumatic signals.



### Fieldbus interfaces

The addition of a fieldbus interface protected within the 007 or 007C enclosure allows actuated valves to be directly connected to the ASi bus. An appropriate Gateway can then allow connection to Profibus or some other higher level system. Special versions of the 007C with low powered solenoids can be directly connected to Profibus PA.

### Position transmitters

The K4-20 range generates a 4-20mA signal to monitor the position of rotary or linear modulating control valves. Compact IP67 coated aluminium or stainless steel enclosures impact tested to 6 joules. Mechanical or proximity end of travel switches and an EEx ia option.



### Smart Electro - Pneumatic Positioners



The 008 Electro - Pneumatic Positioner receives a 4-20mA signal to control the position of rotary or linear modulating control valves. Microprocessor technology is used to both greatly facilitate commissioning and optimise performance. The unit will self calibrate and select a control algorithm which best suits the characteristic of the valve actuator to which it is fitted. The unit will then self monitor and where necessary adjust the control algorithm to adapt to changing valve performance. A unique metal seated solenoid and high capacity spool valve ensure precise performance on both small and large actuators together with tolerance to poor quality instrument air. Mechanical or proximity end of travel switches or 4-20mA retransmission are available and an EEx ia option is under development.



Quality, reliability and safety by design

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