Control Boxes

Pls contact Stahl@unitconcept.com for more details and pricing

Control Boxes

In order to ensure that people and property are safe, signals and alerts must attract people's attention and be easy to understand. R. STAHL's control device systems and signalling devices make zero compromises when it comes to safety: We offer robust, reliable series-production devices, custom device combinations, position switches, measuring tools, earthing monitoring devices and more.

Our series-production devices meet all the relevant standard requirements – this means we can get them to you quickly and brings the price right down. Take our "Fast line", for example: If we receive your order for certain products by midday, we can have these ready for despatch just 3 days later, even with the specific configuration you request. For any application that requires a more tailored concept, R. STAHL is happy to design custom device combinations to meet your exact requirements. Our installation material is certified for use worldwide and complies with international wiring procedures such as those set out by the IEC and NEC.

• Cost-effective series-produced devices available quickly, bespoke devices and device combinations for specific customer requirements
• "Fast line": Order received by midday, products ready for despatch just 3 days later
• Certified installation material for different international wiring systems (IEC/NEC).

Ex e Local Control Boxes

Each and every one of R. STAHL's Ex e control boxes is specially adapted to the application for which you want to use it – choose your enclosure material, size and height, choose how you want your control box to be equipped, and choose which devices you want to install in your control box. This way, your control and signalling devices will always be within sight.

We always produce our Ex e local control boxes in line with the customer's requirements – many different configurations are possible when you choose to add snap-mounted devices such as indicator lamps, control switches, ammeters and many more. The enclosures can be made from either glass-fibre-reinforced polyester resin or stainless steel and are available in different sizes. Accessories are also available for these enclosures, such as flanges, cover hinges and more. Individual control boxes can be combined to form larger units.

Features:
- Numerous options make this easy to configure for your specific application
- Enclosure made from glass-fibre-reinforced polyester resin or stainless steel
- Wide range of components for installing in control boxes

Ex e Control Boxes that can be configured to your exact requirements

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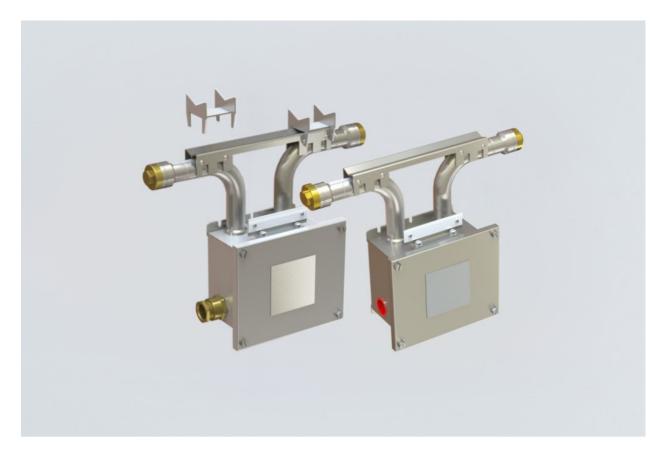
Ex d Local Control Boxes

These lightweight Ex d control boxes from R. STAHL are perfect for installing customised control systems and control boxes in hazardous areas without the need for a huge financial outlay. They are versatile and can be configured to meet your requirements.

These control boxes from R. STAHL are cost-effective single Ex d enclosures in which you can operate equipment that emits sparks in Zones 1, 2, 21 and 22. Depending on your requirements, you can choose flameproof cable glands and cable entries (Ex d) or

threaded holes for conduit connection. Hinges can be retrofitted if required. The end result is lightweight, specially configured systems that can be used worldwide at a wide range of temperatures.

- Lightweight single enclosures for cost-effective systems tailored to your needs
- For installing equipment that emits sparks in Zones 1, 2, 21 and 22
- Different variants for cable entry or conduit connection

Thermostats

R. STAHL's thermostats ensure that the required temperatures are reliably maintained. Our comprehensive range includes numerous types, designs and output levels – whatever your hazardous-area situation, we have the right model here for you. Clever accessories optimise your installations.

R. STAHL's thermostats are available in a variety of designs and for different applications: Ambient temperature thermostats, capillary tube thermostats and electronic thermostats, as well as thermostats for wall-mounting. They provide frost protection and ensure that the

correct temperature is maintained in control boxes, electrical wiring and telecommunications systems. We tailor the size, design and output of the thermostats to your exact requirements.

Features:

- Reliable temperature setting for a wide range of applications
- Suitable for Ex Zones 1 and 2
- Suitable for shipbuilding, offshore applications and extreme temperatures

Control Equipment for Panel Mounting

The enclosures of the control units and of the contact elements are identical. Versions are available with screw terminals or spring clamp terminals.

- Mounting the control devices is very simple.
- The patented mounting mechanism will make it quick and easy to mount the panels with normal drilled holes of 30.5 mm.

Temperature Controls and Temperature Limiters

R. STAHL's temperature sensors and temperature limiters shut down systems if the temperature is too high or too low. The robust thermal cut-outs are suitable for Zones 1, 2, 21 and 22 and help maintain safe system operation, even in the most extreme environmental conditions.

R. STAHL's temperature sensors and temperature limiters ensure that operational safety is maintained in hazardous areas by preventing systems from running at excessively high temperatures. They determine the temperature that is being monitored from the change in volume of the fluid in your measuring system that occurs as a result of any changes in temperature. If the set limiting value is exceeded, sensors and limiters cut out. Whilst temperature sensors automatically switch themselves back on once the temperature has fallen back below the limiting value, temperature limiters must first be released manually. To protect the system, both device types cut out permanently if there are any leaks in the measuring system. You can set the temperature limiting value as required. This value is easy to read through the inspection window.

Features:

- Glass-fibre-reinforced polyester resin enclosure, thermostat switching capacity up to 25 A
- Reliable temperature monitoring using a fluid-filled measuring system
- Suitable for extreme environmental conditions in Zones 1, 2, 21 and 22

Control Stations for Industrial Area