

## JUMO exTHERM-DR

Two-state controller with ATEX approval



### Reliably controlled

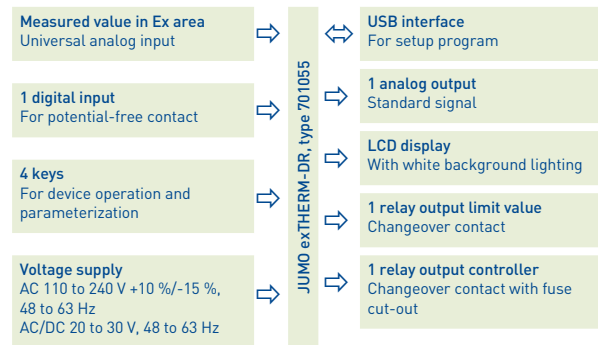
- Ignition protection type [Ex ia] with intrinsically safe inputs or [Ex e] with increased safety
- [Ex e] version saves costs during system installation and engineering phase
- Controller output (relay)
- Limit value output (relay) for alarm indication
- Analog output configurable as actual value output, setpoint value output, or logic output 0/10 V for control of solid state relay
- USB interface on front and setup program for simple startup



## Brief overview

The JUMO exTHERM-DR two-state controller rounds off the portfolio for safety technology. The [Ex ia] or [Ex e] measurement input for RTD temperature probe, thermocouple, or current standard signal allow type-tested sensors to be connected directly. As a result, barriers are no longer required. In addition to the "controller" relay output, the device has a second relay output for limit value monitoring. A logic signal of 0/10 V is also available for the controller output or limit value signaling. The current measured value or the setpoint value is issued via the standard analog output as an alternative to the logic signal.

## Block diagram



## Application areas

Process industry, chemical industry, fuel and heat technology, painting and drying systems, Ex applications

## Reliably controlled processes in pipe trace heating systems with JUMO products

**JUMO exTHERM-DR**  
Two-state controller with [Ex ia] approval  
Type 701055

**JUMO safetyM STB/STW**  
Safety temperature limiter/monitor with [Ex ia] approval  
Type 701155

**ATEX/IECEx RTD temperature probe**  
With connecting cable according to DIN EN 60751  
Type 902821

**JUMO exTHERM-DR**  
Two-state controller with [Ex e] approval  
Type 701055

**JUMO safetyM STB/STW**  
Safety temperature limiter/monitor with [Ex e] approval  
Type 701155