



Alarm and control unit FloControl TS

## **Product features**

- Automatic Controller capable of supporting:
  - Single Gas Panels
  - Single Gas Panels with supporting purge
  - Twin Gas panels (different source and destination)
  - Dual gas panels (same source and destination with auto changeover facility)
- Supports MP3 and SBE3 configurations
- Alarm and control unit for 5 external digital sensor inputs, 8 system analogue inputs and 6 system digital inputs
- User adjustable purge cycles and service mode set points
- Line capacity calculator for optimised line purging
- Exhaust failure switch fitted as standard
- User selectable ACV (pn. operated cylinder valve)
- 8"-Touchscreen Operation: All operation from ergonomically positioned Human Machine Interface
- 2 potential free outputs (one each for warning or shutdown conditions)
- Communication options: Ethernet, Profibus, Modbus RTU and DeviceNet communications
- Solenoid valves can be manually operated by user
- An external junction box is supplied in order to allow fast connection of external sensors (e.g. gas detection) to the Flocontrol TS via a supplied 3 metre pre-plugged lead.
- Optional Heating Control System Add-on box for cylinder jackets and panel heating
- Digital inputs to be configured for NC contacts
- According to EC Directive 2004/108/EC
- According to Low Voltage Directive 2006/95/EC
- ATEX Equipment Directive 94/9/EC (Category 3 compliant where stated on the rating plate)

## **Technical data**

### **Housing**

Protection class:	IP 54
Dimensions (WxHxD):	635 x 220 x 200 mm or depending on cabinet 800 x 220 x 200 mm

### **Compatible inputs**

- mechanical switches
- 4-20 mA transducers

### **Digital inputs**

Power supply voltage	24 V DC
Max. power	15 mA (per channel)

### **Analogue inputs**

Max. voltage (open circuit)	24 V DC
Short circuit current	25 mA

### **Output / pneumatic valves**

Max. pressure	7 bar
Compatibility	inert gases

### **Power supply voltage**

Max. load:	2 A
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### **Internal signals**

- LEDs Ø 17 mm
- buzzer (105 dB @ 1m)

### **NAMUR-Specification**

Voltage:	5 V DC - 25 V DC
Power input inactive:	$I_L < 1 \text{ mA}$
Power input activated:	$3 \text{ mA} < I_L < 15 \text{ mA}$

### **Applications in explosive environment:**

The FloControl is normally mounted on top of a gas cabinet which may have a zone 2 internally. All sensors mounted in the zone 2 area are protected by ATEX approved switch/analogue amplifiers housed inside the FloControl. The FloControl is IP68 sealed at the zone interface.