



Alarm and control unit FloSwitch TS

## Product features

- Alarm and control unit for max. 10 digital inputs (e.g. contact pressure gauge or pressure switch), 8 analogue inputs (e.g. pressure transmitters or weighing scales) and one additional input for emergency shut off
- The unit may be used for 1 change-over-system and 2 individually programmable pneumatic valves, 2 change-over systems or 4 individually programmable pneumatic valves
- Touchscreen Operation: All operation from ergonomically positioned Human Machine Interface
- Industrial PLC controls all inputs and outputs as well as analogue signal processing
- Monitoring and display of the gas contents by pressure or by weight
- 4 potential free outputs (one for each valve status)
- Communication options: Ethernet, Profibus, Modbus RT and DeviceNet communications
- Solenoid valves can be manually operated by user
- Daylight visible LED indicators
- Acoustic signals can be silenced
- Digital inputs to be configured for NO or NC contacts
- Plastic housing IP 65 for wall mounting
- Password protection for 2 superior levels of access
- Multiple Language Support: supports up to four languages as standard
- According to EC Directive 2004/108/EC (immunity and emission standard, measurement, control and laboratory use)
- According to Low Voltage Directive 2006/95/EC

## Technical data

<b>Housing</b>	
Protection class:	IP 65
Dimensions (WxHxD):	300 x 200 x 180 mm
<b>Compatible inputs</b>	
	- mechanical switches
	- 4-20 mA transducers
<b>Digital inputs</b>	
Power supply voltage	24 V DC
Max. power	15 mA (per channel)
<b>Analogue inputs</b>	
Max. voltage (open circuit)	24 V DC
Short circuit current	25 mA
<b>Output / pneumatic valves</b>	
Max. pressure	7 bar
Compatibility	inert gases
<b>Power supply voltage</b>	
	100-240 V / 50-60 Hz
Max. load:	2 A
<b>Internal signals</b>	
	- LEDs Ø 17 mm
	- buzzer (105 dB @ 1m)
<b>NAMUR-Specification</b>	
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 units FloSwitch and FloPurge must be mounted *outside of explosive environment*. Inductive sensors, which are installed inside hazardous areas, have to be activated by an ATEX-approved switch amplifier. This amplifier also has to be mounted *outside of the explosive environment*. The output contact of the switch amplifier can easily be connected to the FloSwitch and FloPurge units.

# Alarm / control unit FloPurge TS



Alarm and control unit FloPurge TS

## **Product features**

- Automatic purge controller
- Alarm and control unit for max. 10 digital inputs (e.g. contact pressure gauge or pressure switch), 8 analogue inputs (e.g. pressure transmitters) and one additional input for emergency shut off
- The unit may be used for 1 purge system including 3 pneumatic valves and 1 more individually programmable pneumatic valve
- User adjustable vent timer, pressurisation timer and purge cycles
- User selectable ACV (pn. operated cylinder valve) option or Extra Downstream EMO option
- Touchscreen Operation: All operation from ergonomically positioned Human Machine Interface
- Industrial PLC controls all inputs and outputs as well as analogue signal processing
- 4 potential free outputs (one for each valve status)
- Communication options: Ethernet, Profibus, Modbus RTU and DeviceNet communications
- Solenoid valves can be manually operated by user
- Daylight visible LED indicators
- Acoustic signals can be silenced
- Digital inputs to be configured for NO or NC contacts
- Plastic housing IP 65 for wall mounting
- Password protection for 2 superior levels of access
- Multiple Language Support: supports up to four languages as standard
- According to EC Directive 2004/108/EC (immunity and emission standard, measurement, control and laboratory use)
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### **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**

100-240 V / 50-60 Hz	
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Max. load: 2 A

### **Internal signals**

- LEDs Ø 17 mm
- buzzer (105 dB @ 1m)

### **NAMUR-Specification**

Voltage:	5 V DC - 25 V DC
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## **Applications in explosive environment:**

see remarks overleaf