



Alarm and control unit FloSwitch

Product features

- Alarm and control unit for max. 10 digital inputs e.g. contact pressure gauge or pressure switch and 4 analogue inputs (e.g. pressure transmitters or weighting scales)
- The unit may be used for 1 switch-over-system and 2 individually programmable pneumatic valves, 2 switch-over systems or 4 individually programmable pneumatic valves
- monitoring and display of the gas contents by pressure or by weight
- 1 cumulative potential free output for external monitoring (NO or NC)
- Solenoid valves can be manually operated by user
- 4 x 20 digits LCD-display with backlight
- Visual and acoustic alarm signals according to EN 737-3 and EN 475 (medical applications)
- Acoustic signals can be silenced
- Compatible with inductive sensors type DIN 19234 NAMUR 1-specification
- Digital inputs to be configured for NO or NC contacts
- All operation parameters and signal configuration programmable by push-buttons placed on front panel
- Plastic housing IP 65 for wall mounting
- Password protection for superior level access

Technical data

Housing

| | |
|---------------------|--------------------|
| Protection class: | IP 65 |
| Dimensions (WxHxD): | 310 x 380 x 140 mm |

Compatibility inputs

- mechanical switches
- electr. switches PNP/NPN (DC only)
- inductive switches type NAMUR

Digital inputs

| | |
|----------------------|---------------------|
| Power supply voltage | 15 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 | 10 bar |
| Compatibility | inert gases |

LCD-display

| | |
|-------------------------|-------------------------|
| LCD-display | 4x20 digits w backlight |
| Power supply voltage | 220 V / 50-60 Hz |
| max. power consumption: | 100 mA |

Internal signals

- LEDs Ø 5 mm
- piezo-buzzer (95 dB)

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 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.

Article numbers:

| | |
|---|-----------|
| • FloSwitch: | 770.51257 |
| • FloPurge (see overleaf): | 770.51258 |
| • 2-channel-switch amplifier: | 770.51465 |
| • Wall mounting box for switch amplifier: | 770.51466 |
| • Programming tool incl. software: | 770.50872 |



Alarm and control unit FloPurge

Product features

- Alarm and control unit for max. 10 digital inputs like e.g. contact pressure gauge or pressure switch and 4 analogue inputs (e.g. pressure transmitters)
- Automatic purging for high purity gases, corrosive or toxic gases
- 4 integrated solenoid valves to activate pneumatic change-over valves and / or emergency shut off
- 1 cumulative potential free output for external monitoring (NO or NC)
- Solenoid valves can be manually operated by user
- 4 x 20 digits LCD-display with backlight
- Visual and acoustic alarms
- Acoustic signals can be silenced
- Compatible with inductive sensors type DIN 19234 NAMUR 1-specification
- Digital inputs to be configured for NO or NC contacts
- All operation parameters and signal configuration programmable by push-buttons placed on front panel
- Plastic housing IP 65 for wall mounting
- Password protection for superior level access

Technical data

Housing

| | |
|---------------------|--------------------|
| Protection class: | IP 65 |
| Dimensions (WxHxD): | 310 x 380 x 140 mm |

Input compatibility:

- mechanical switches
- electr. switches PNP/NPN (DC only)
- inductive switches type NAMUR

Digital inputs

| | |
|----------------------|---------------------|
| Power supply voltage | 15 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: | 10 bar |
| compatibility: | inert gases |

LCD-display

| | |
|-------------------------|------------------|
| Power supply voltage | 220 V / 50-60 Hz |
| max. power consumption: | 100 mA |

Internal signals

- LEDs Ø 5 mm
- piezo-buzzer (95 dB)

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:

see remarks overleaf