Alarm unit FloAlarm K4-M / K12-M

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4-channel alarm unit FloAlarm K4-M

12-channel alarm unit FloAlarm K12-M

Product features

- 4- or 12 channel alarm unit with Modbus connection
- For connection of 4 or 12 digital input signals such as contact pressure gauges or pressure switches
- Suitable for transducers according to NAMUR-specification (e.g. inductive sensors)
- All channels are individually programmable as normally closed or normally open contact
- Delay mode (1 sec.) is integrated for all channels
- Potential-free output as normally closed or normally open
- Visible alarm (diodes integrated in keypad)
- Acoustic alarm (integrated piezo-buzzer)
- Plastic housing for wall mounting

Technical data

Housing
Protection class:	IP65
Dimensions:	200 x 120 x 60 mm

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

Potential free output
max. switchable voltage:	24 V AC
max. switchable load:	1 A
configurable as:	NO / NC

Power supply voltage:
	110-230 V AC / 50-60 Hz
max. power input:	5 W
Fuse:	230 V / 0,1 A and 110 V / 0,25 A

NAMUR-specification
Voltage:	5 V DC - 25 V DC
Power input inactive:	I_L < 1 mA
Power input activated:	3 mA < I_L < 15 mA

Communication parameters
Baud rate:	9600
Polarity:	2 bit stop 8N
Function code:	0x03 Read Holding

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Alarm unit FloMaster

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FloMaster

Connection of FloMaster and FloAlarm units
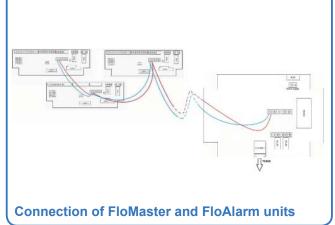
Product features

- The FloMaster unit connects and monitors up to 30 FloAlarm units K4-M or K12-M with Modbus connection.
- All digital inputs of each FloAlarm can be individually configured in all parameters as name, LED, visual signal, sound signal, alarm delay and repeating alarm.
- Easy configuration using the integrated touch screen display
- History of 108 alarm events; memorizing
  - date and time
  - type
  - date and time of the deactivation of the alarm
- The FloMaster is also designed to be integrated into a BMS (Building Management System) using an RJ45 Ethernet cable with Modbus TCP/IP protocol.
- Plastic housing for wall mounting

Technical data

Housing

Protection class:	IP65
Dimensions:	240 x 160 x 90 mm

2 relay outputs

max. switchable voltage:	24 V AC
max. switchable load:	1 A

Power supply voltage: 110-230 V AC / 50-60 Hz

max. power input:	5 W
Fuse:	230 V / 1 A and
	110 V / 2 A

Communication parameters

Baud rate:	9600
Polarity:	2 bit stop 8N
Function code:	0x03 Read Holding
Ethernet Modbus:	TCP/IP

Applications in explosive environment

The unit FloMaster must be mounted outside of explosive environment. Tranducers, 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 FloAlarm units.

Article numbers:

FloMaster:	66QE0016
FloAlarm K4-M:	66QE0014
FloAlarm K12-M:	66QE0015

Accessories:

2-channel-switch amplifier:	77051465
Wall mounting box for switch amplifier:	77051466

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