



### THE STAND-ALONE CONTROL PANEL FOR 16 CHANNELS.

The Regard 3900 is a fully configurable control panel for up to 16 channels to monitor toxic gases, oxygen, and flammable vapours and gases. It is suitable for all 2-wire or 3-wire transmitters with a 4-20mA output signal (electrical source).

Its ABS housing ensures it is robust and ingress protected. Several different versions are available:

**Regard 3900:** wall-mount model with an LCD display

**Regard 3910:** model for rack-based installation with an LCD display and a backplane

**Regard 3920:** wall-mount model with a large display screen (full text display)

The control panel has up to four input/output modules. Each module can accommodate up to 4 2-wire or 3-wire 4-20mA transmitters and includes 3 relays with common 'Fault', 'Alarm 1' and 'Alarm 2' outputs.

Two relay modules can be added to the control panel. Each module has eight zero-potential, single-pole (SPDT) relays: a non-configurable fault relay and seven configurable relays to control alarms, fans or electrical systems, for example.

System configuration and maintenance is carried out using the REGARD 3900 Windows-based software. To use the software, the control panel must be connected to the PC via an RS-232 interface cable. No other tools are required.

*PC configuration: Windows 2000 or XP, 128MB RAM, 800 x 600 minimum screen resolution, mouse or other pointing device, and a serial port.*

Applications: water treatment, tunnels, food & beverage industry, pharmaceutical industry, chemical industry, micro-electronics, refrigeration industry and hospitals.



### TECHNICAL DATA

#### Size:

3900 et 3920: 16,5 x 11,8 x 7,5 in. (42 x 30 x 19 cm)  
3910: 11,8 x 8,9 x 7,9 in. (30,0 x 22,5 x 20 cm)

**Protection Class:** IP65

#### Display:

3900 et 3910: LCD backlit screen - 40 characters  
3920: Large graphic display 1,6 x 2,36 in. (0,4 x 6,2 cm)

**Temperature:** 32 to 131°F (0 to +55 °C)

**Humidity:** 0 to 100%HR non-condensing (3900 et 3920),  
0 to 95% HR non-condensing (3910)

**Power supply:** 110 / 240V AC ou 24V DC

**Power Consumption:** 2,5 A - 6 W

**Approvals:** ATEX II (2) G, TRL 06 ATEX 21099X

**Warranty:** 1 year

### SPECIFICATIONS :

#### INPUT & OUTPUT SPECIFICATIONS

**Inputs:** Configuration via PC

**Transmitter:** 4-20mA or 2, 3-wire technology

**Power supply:** 24V CC, max 400mA

**Outputs:** Alarm 1, Alarm 2 and Default (standard)  
Modbus RTU (available option)

**Maximum total current for the lines:** 2,4A (for base unit) + 2,4A (for each extension unit)

#### ALARMS

**Relays:** Eight relays modules

Relay 1: Non-configurable system fault relay, normally energised and self-holding, non-acknowledgeable.

Relay 2 to 7 : Configurable relays  
Common alarm A1, Common alarm A2, Common alarm A3,  
Common alarm F1, Common alarm F2, Common alarm A1, A2,  
A3, Single alarm A1, Single alarm A2, Single alarm A3, Single  
alarm F1, Single alarm F2, Group alarm A1, Group alarm A2,  
Group Alarm A3, Group alarm F1, Group alarm F2, Alarm lock,  
No function

#### SPECIFICATIONS

- Suitable for all Ex, Tox and O2 transmitters with a 2-wire or 3-wire 4-20mA output signal
- Continuous display
- Robust ABS wall housing
- IP65 protection rating (without holes drilled in housing)
- Power source: 110 / 240V AC or 24V DC

### ACCESSOIRES



#### MODBUS, PROFIBUS-DP OR MODBUS TCP/IP GATEWAY

- 2,5 A, 5 A or 10 A power unit
- CAN interface
- Modbus RTU
- Gateway cable for 3900/3920 and 3910
- Regard 3900 configuration software