ambra SISTEMI

SDAL-MED V4

- 4 digital inputs for position valve sensors, type NAMUR or ON/ OFF;
- Valve status by light indicators (4 green LEDs = valve open and/ or 4 red LEDs = valve close);
- Valve fault indication (green LEDs/ red LEDs alternating) only for NAMUR version
- Test button;
- Inputs programming operation by dip switches;
- Configuration function as base unit or repeater unit;
- RS485 local SDAMNet Plus network or Modbus protocol (optional);
- Network address programming by dip-switch;
- Auxiliary outputs for collective valves open;
- Auxiliary outputs for collective valves closed;
- 4 independent outputs reproducing the input status (N.C. logic);
- Gas labels available: O_2, N_2O, Med. Air 8 bar, Med. Air 4 bar, Evac. Air, Compr. Air, Air 800, CO_2, Vacuum, N_2, He

Typical application:

- Monitoring of 2nd stage area gas shut-off valves for medical gases

Unit for area gas shut-off valves monitoring
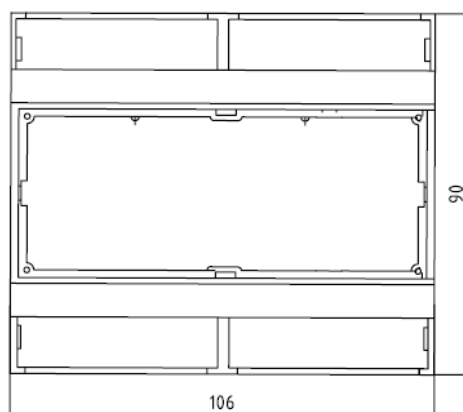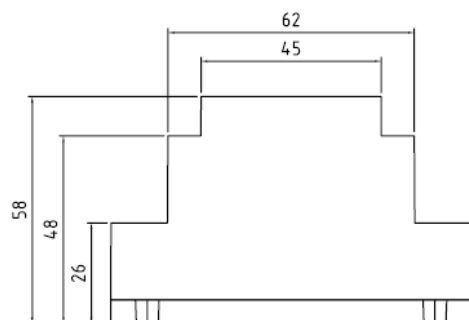
HOSPITAL ALARMS

CE 0425

Compliant with 93/42/EEC
Medical Devices Directive - Class II$_b$

TECHNICAL SPECIFICATIONS

Power supply	230 Vac 50/60 Hz., P max. 5 VA, fuse 0,5 A
Visual indications	Power on: LED Ø 5 mm, green Valve open: LED Ø 5 mm, green high efficiency Valve close: LED Ø 5 mm, red high efficiency
Alarm sound	---
Inputs	4 inputs type: NAMUR EN 60947-5-6: Internal/ external power supply 12 Vdc +/- 20% ON/ OFF Sensors: Internal power supply 12 Vdc / External power supply 9-24 Vdc, I max. 5 mA each sensor
Repeater outputs	No.4 isolated outputs until 2.500 V type transistor source V. max: 28 Vdc, I max: 30 mA Logic: N.C. (open=input in alarm) Configuration: positive common
Output signals	1 output for collective valves close 1 output for collective valves open (See Repeater outputs for electrical characteristics)
Housing	6 modules DIN rail (EN 60715) in accordance with DIN 43380, PVC, dim. 106x90x58 mm, IP34
Local network interface (option)	Isolated bidirectional RS485 protocol SDAMNet Plus or ModBus

Innovative ideas for gas control

Weight	380 g
Operating temperature	-10…50 °C
Reference standards and directives	93/42/EEC, 2014/30/EU EMC, 2014/35/EU LVD, EN60601-1, ISO 7396-1, EN 60601-1-8, EN61000-6-1, EN61000-6-3, RoHs 2011/65/UE

CE 0425

DIMENSIONS

measures in mm

PRODUCT CODES

CODE	DESCRIPTION
0002-28-000	**SDAL-MED V4 NAMUR:** Unit for shut-off valves monitoring in gas area with NAMUR sensors CE 0425
0002-28-001	**SDAL-MED V4 NAMUR with RS485:** Unit for shut-off valves monitoring in gas area with NAMUR sensors and local network interface with SDAMNet Plus/ SDAMNet protocol CE 0425
0002-28-002	**SDAL-MED V4 NAMUR with RS485:** Unit for shut-off valves monitoring in gas area with NAMUR sensors and local network interface with ModBus/ SDAMNet Plus protocol CE 0425
0002-28-010	**SDAL-MED V4 ON/OFF:** Unit for shut-off valves monitoring in gas area with ON/OFF sensors CE 0425
0002-28-011	**SDAL-MED V4 ON/OFF with RS485:** Unit for shut-off valves monitoring in gas area with ON/OFF sensors and local network interface with SDAMNet Plus/ SDAMNet protocol CE 0425
0002-28-012	**SDAL-MED V4 ON/OFF with RS485:** Unit for shut-off valves monitoring in gas area with ON/OFF sensors and local network interface with Modbus/ SDAMNet Plus protocol CE 0425
0002-28-X--	**SDAL-MED V4:** As table above – customized labeling- CE 0425