

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: O₂, N₂O, Med. Air 8 bar, Med. Air 4 bar, Evac. Air, Compr. Air, Air 800, CO₂, Vacuum, N₂, He

Typical application:

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



Unit for area gas shut-off valves monitoring



CE 0425

Compliant with 93/42/EEC
Medical Devices Directive - Class IIb

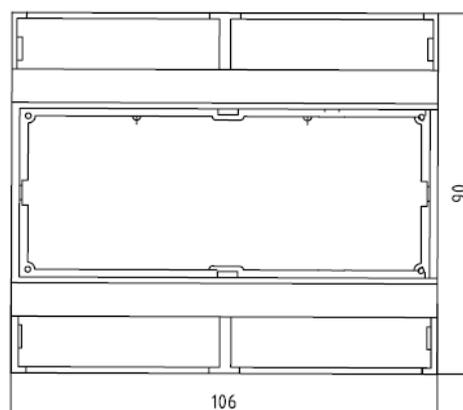
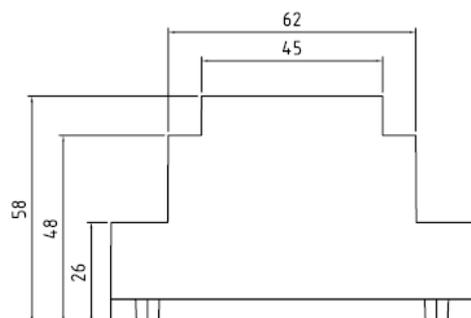
TECHNICAL SPECIFICATIONS

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|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |

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|------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| 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 |