



Modular manifold system alarm module



IDENTIFICATION

- ▶ LED alarm module with five inputs for signalling of station operating alarms and manifold system alarm module emergency status
- ▶ Facility to interconnect multiple identical modules in master/slave configuration by means of a single twisted pair
- ► Transfer of total relay-controlled alarm log (dry contact)
- ► Integrated protection fuse
- ▶ No. 2 red LEDs for emergency alarms signalling
- ▶ No. 3 yellow LEDs for operating alarms signalling
- ► Visual alarms signalling via flashing high luminosity LEDs
- ► Automatically resettable audible alarm signal
- ► Audible alarm mute and test buttons
- ► Green power-ON LED
- ► Alarm supervision via MODBUS-RTU protocol
- ► Microprocessor control system



108/2004/EC

Notified body: CE 0476

Risk class II B CE marking as prescribed by Legislative Decree n. 46 of 24 February 1997 "Implementation of Directive 93/42/EEC concerning medical devices" and further modifications CE marking in compliance with EMC Directive

REFERENCE STANDARD

ISO 7396-1: "Medical gas pipeline systems - Part 1: Pipeline systems for compressed medical gases and vacuum"

EN 60601-1: "Medical electrical equipment – General requirements for basic safety and essential performance"

EN 60601-1-2: "Medical electrical equipment - Electromagnetic compatibility"

EN 60601-1-8: "Alarm systems in medical electrical equipment"

* Validity of the standards is referred to the current year

MODULAR ALARM

CODE	DESCRIPTION	ALARM SIGNALS	PACKAGING
AQ-2511-5000	5-input manifold system alarm module	L source empty, R source empty, Low line pressure, High Line pressure 3rd source empty	16 x 8.5 x 11 cm, box, 0.42 Kg
AQ-2511-5010	Manifold supervision alarm module	${ m O_2}$ manifold, ${ m N_2O}$ manifold, Air manifold, ${ m CO_2}$ manifold, ${ m Vacuum}$ system	16 x 8.5 x 11 cm, box, 0.42 Kg
AQ-2511-2000	Left/Right manifold alarm module	Left manifold, Right manifold	16 x 8.5 x 11 cm, box, 0.42 Kg

ALARM MODULE BOXES

CODE	DESCRIPTION	PACKAGING
AQ-2100-1000	IP 40 flush mount box with plexiglass door for 6-position DIN 43380 rail	20 x 17 x 10 cm 0.42 Kg
AQ-2100-2000	IP 65 surface mount box with plexiglass door for 6-position DIN 43380 rail	21 x 20 x 10.5 cm 0.68 Kg



- ► Storage temperature: -20 °C ÷ +60 °C
- ► Working temperature: +10 °C ÷ +40 °C
- ► Power supply: 230 V AC 50 Hz 4 VA
- ► 5 ON/OFF digital inlets
- ▶ 100 mA Integrated protection fuse
- Gases: Vacuum, Oxygen, Medical Air, Nitrous Oxide, Carbon Dioxide, Instrument Air
- ► Modular box for 6-position DIN 43380 rail
- Relay 500 mA max 24 V
- ► Master / Slave connection via bus RS 485
- ► Subject to Directive 2012/19/EU 🕅