



Ward alarm module

IDENTIFICATION

- ▶ LED alarm module for signalling clinical emergency alarms
- ▶ 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
- ▶ Red LEDs for emergency alarm 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
- ▶ Available in version with 2, 3, 5 or 9 digital inputs
- ▶ Microprocessor control system



CE MARKING

Notified body: CE 0476

Risk class II B CE marking as prescribed 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 108/2004/EC

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

- ▶ Gases: Vacuum, Oxygen, Medical Air, Nitrous Oxide, Carbon Dioxide, Instrument Air
- ▶ Power supply: 230 V AC - 50 Hz - 4 VA
- ▶ 100 mA integrated protection fuse
- ▶ Storage temperature: -20 °C ÷ +60 °C
- ▶ Working temperature: +10 °C ÷ +40 °C
- ▶ 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/UE 

WARD ALARM

CODE	DESCRIPTION	GASES	RS 485 BUS	PACKAGING
AQ-2514-2000	2-input alarm	Oxygen	yes	16 x 8,5x 11 cm 0.42 Kg
AQ-2514-3000	3-input alarm	Oxygen, Vacuum	yes	16x 8,5x 11 cm 0.42 Kg
AQ-2514-5000	5-input alarm	Oxygen, Vacuum, Medical Air (P=4,0 bar)	yes	16 x 8,5x 11 cm 0.42 Kg
AQ-2514-9000	9-input alarm	Oxygen, Vacuum, Medical Air (P=4,0 bar), Nitrous Oxide, Carbon Dioxide	yes	16x 8,5x 11 cm 0.42 Kg
AQ-2514-3100	3-input alarm	Oxygen, Vacuum	no	16 x 8,5x 11 cm 0.42 Kg
AQ-2514-5100	5-input alarm	Oxygen, Vacuum, Medical Air (P=4,0 bar)	no	16 x 8,5x 11 cm 0.42 Kg
AQ-2514-9100	9-input alarm	Oxygen, Vacuum, Medical Air (P=4,0 bar), Nitrous Oxide, Carbon Dioxide	no	16 x 8,5 x 11 cm 0.42 Kg

ALARM MODULE BOXES

CODE	DESCRIPTION	PACKAGING
AQ-2100-1000	IP 40 flush mount box with plexiglas door for 6-position DIN 43380 rail	20 x 17 x 10cm 0.42 Kg
AQ-2100-2000	IP 65 surface mount box with plexiglas door for 6-position DIN 43380 rail	21 x 20 x 10,5 cm 0.68 Kg

