

**CENTRAL STATIONS ALARM, S200 SMART ALARM MODEL, HTM 02-01**

The SINTESY.eagle.S200.smartAlarm is a medical device capable to control up to 24 input signals coming from 6 different gas sources.



The S200.smartAlarm is certificated according to European Directive 93/42/EEC and 2007/47/EC, identified in Class IIb following the prescription of Annex IX, rule 9 and satisfies the requirements of EN7396-1. It also comply with requirements of HTM 02-01.

Alarms are shown on a 5.7" LCD color screen and they consist of text messages pre-programmed by the installer. The text contains the description of the alarm with different colors.

Each gas service consists of a bank of five indications:

- green, for a Normal condition
- three yellow (customizable messages on LCD)
- red (customizable messages on LCD)

Each gas service inputs are connected to a five way connector block.

The S200.smartAlarm can be used SLAVE device connected, by the RS485 bus, to a industrial PC (running the SINTESY.eagle software) or to another S200.smart in MASTER mode.

All settings of the terminal can be done in two different ways:

- By the RS232 serial communication port connected to a PC (see SINTESY.eagle.wizard software).
- By editing a file saved into the internal SD-CARD.

Inside the SD-CARD, there is also a customizable bitmap with the logo of the customer or distributor.

A test function (soft key on the touch screen panel) is used to check the integrity of all indicators on the panel, and the audible alarm.

The test function also provides diagnostic information to help in case of fault condition.

An adjustable volume audible alarm is included into the panel, and the acoustic sound can be connected to a remote sounding unit to repeat the audible alarm at other locations.

A mute (soft key on the panel) is used to silence the audible alarm for a period of fifteen minutes, or until another alarm condition occurs.

By using a dry contact relay (voltage free) any alarm or fault condition is remoted to other systems.

Two high emission LED on the panel are blinking in case of alarm condition and according to the priority: yellow for medium priority alarms and red for high priority alarms. A green LED indicates the presence of power supply with no fault condition.

The S200.smartAlarm is an elegant plastic enclosure and can be simply fixed on the wall directly, or using an angular support. It is possible also to use a security key to lock the front panel.

In case of alarm, the S200.smartAlarm can send phone calls and SMS messages when connected, by the RS485 bus, with the medical device SINTESY.eagle.S140.

## KEY FEATURES

Power supply: 24V~; 30VA; protection with internal fuse

- Option for battery back-up 24V=
- IP40
- Dimension H205 x W229 x D76 mm
- SD-CARD up to 2 GB to store settings and bitmap
- RS232 interface for programming
- Display color LCD 320x240, 5,7" and touch screen
- Green light for normal operation
- Two green led for communication over RS485 bus
- Red light and buzzer signaling alarm condition (high priority)
- Yellow light and buzzer signaling alarm condition (medium priority)
- Acoustic alarm signaling
- Acoustic signal for touch panel pressure
- Relay output with NC and NO contact for alarm remoting
- Termination RS485 by means of jumpers inside the device
- RTU (Remote Telemetry Unit) for SINTESY Eagle® system
- Slave of SINTESY.eagle monitoring system ( RTU )
- Ergonomic plastic enclosure to be fixed on the wall
- Compliance with EN60601-1 3rd Ed., EN60601-1-6, EN60601-1-8, EN62304, EN7396-1, EN62366, HTM 02-01
- Certification CE0051.
- Acoustic pressure >70dB @ 1 m
- Operative temperature 0/60°C; storage temperature -20/70°C

