DESCRIPTION

The S81-HS Light is the compact version of the panel S81-HS. The main features are the same, but the size is smaller, in order to be used in several applications. The S81-HS/L is born to fulfill the need to have a compact panel for the fire & gas detection system, designed for small spaces, but also for those who desire a discrete end user friendly system. There are two versions available in the market now, the standard and the ATEX version, which allows to protect also dangerous zones.

The model S81-HS/L is a modular device composed by a display and a rack of 19" in 3 units in in anodized aluminum, in which the 2 CPUs, the rack controller and 8 slot available for I/O cards are inserted. The cards with the power supply group are inserted in a metallic cabinet with double door. In the eight slots available the cards are inserted, and these will be organized for type and number according to the needs of the plant to protect. Each card is connected to the field through a terminal board with 18 terminals.

Standard version

ATEX version

1.1   General features

Serial communication interface	N° 2 RS232
Ethernet communication interface	10/100BaseT with connector RJ45
Maximum number of programmable zones	300 fire zones + 300 intrusion zones
Maximum number of points for each zone	99 input 99 output 99 associations
Local variables exportable via network	Max. 250
Remote variables imported via network	Max. 999
System Variables (Local)	64
Maximum number I/O cards	8
Time bands with Holidays management	10 (each made up with 10 intervals)
CPU redundancy	Standard
I/O cards redundancy	Not available
Cards hot swap	Possible with all card types
Centralization among panels	Through LAN with protocol RCP
Supervision system	Max. 3 supervision for each panel
Time bands management	10 categories with holiday management
Available protocols	MODBUS RTU

1.1.1 Mechanical features

Cabinet power	metal sheet with internal revolving door and glass door
Color	RAL 7035
Protection degree	IP54
Fixing	wall mounting
Size	H=600mm L=500mm P=250mm

1.1.2 Electrical features

Input power	110÷240V~ (-15% ÷ +10%)
Protection degree	IP20
Nominal output power	25Vdc
Maximum output power	4A/8A
Protections	Line fuse T6.3A H 250V (5x20)
Battery power	from 26,2 to 28,7 Vdc automatically compensated
Ripple VBAT	< 100mV pK-pK to the maximum power
Lack of power supply resistance	>=20mS to the maximum power (with PU-A0005)
Batteries maximum power	4A
Protections	Surge short-circuit and reverse battery
Standard followed	EN54-4
CE stadards followed	EN50081-2 e EN50082-2 (industrial environment)
Safety	EN60950 (CEI-74-2)

1.1.3 Climati c features

Operating temperatures	-5 °C ÷ 50 °C in open space
Relative humidity	93% no condensation

CERTIFICATIONS

The norms applied for the certification, currently enrolled with IMQ laboratories, are:

EN 12094
EN 54-2
EN 54-4