Honeywell | Fire Safety

MORLEY IAS
FIRE SYSTEMS

VSN LT

Conventional control panel 2, 4, 8 and 12 zones

The VISION LT control panel provides the best basis for the design of small conventional fire detection systems with maximum ease of use and high performance.

The control panel can control any conventional device, such as detectors, manual call points, sounders, beam detectors from the Morley-IAS conventional range and from most manufacturers.

Access to the control panel is limited by a password or key switch (optional).

The four levels of detection in normal mode allow to differentiate between detector or manual call point alarm, open circuit fault or short circuit.

Each zone allows configuration for normal operation, delayed contact or verification (the system resets the first zone alarm and verifies a second alarm during the monitoring time).

It is possible to configure the activation of sounders for single or multiple alarm zones, and with delays for detectors and/or call points independently. Delays can be cancelled with a panel key, with a manual call point or with two zones in alarm.

The LED indicators provide full control of the system. The keypad allows the user to perform manoeuvres quickly and easily.

Vision control panels include a default configuration, suitable for any installation, however customisation can be easily done. The control panel has a 24V output for small fixed or resettable voltage consumption. Additionally, configuration for special installations, where compliance with EN54 is not required, is possible.

VSN LT Conventional control panel, 2-4-8-12 zone model.

FEATURES

- 2, 4, 8 or 12-zone microprocessor-controlled compact conventional control panel
- Independent setting of zone as: normal operation, delayed contact or verification.

- Alarm identification by detector or by call point in zone
- Day/Night function with adjustable delay from 30 to 300s and inspection time from 1 to 10 min.

- Option to cancel delays from the keypad, with call point or with 2 zones in alarm.
- 2 supervised sounder outputs with zone activation setting

- General Alarm Relay and Fault Relay

- Plug-in terminals

- Auxiliary power supply output (fixed and resettable)
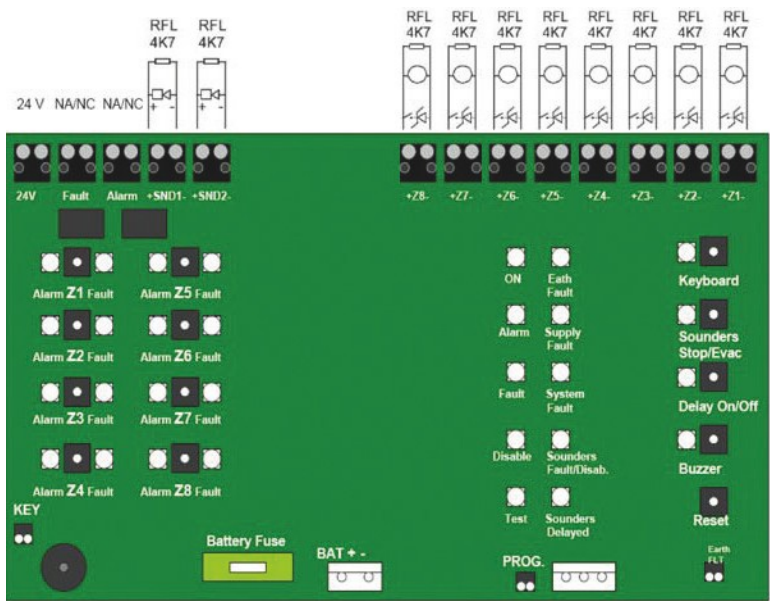- Metal cabinet and ABS plastic front cover according to European standards EN54-2/4

VSN LT specifications

Conventional microprocessed control panel with 2, 4, 8 or 12 zones.

Alarm identification by detector or call point. General status indicator lights (LEDs) for Power, Fire, Fault, Disablement, Test, Delay, Earth Fault, Power Supply Fault, System Fault, Sounder Fault/Disabled and Sounders Delay. Zones configuration for normal operation, delayed contact or verification. Indicators of zone in Fire or Fault/Test/Disabled. Delay mode for alarm delay from 30 to 300 sec. and verification time from 1 to 10 minutes. Two supervised sounder outputs. Configuration of sounders by zone with or without delay. 2 general outputs for fire and general fault. Fully programmable from keypad. Plug-in terminals for 1.5mm2 cable. Control panel access with password or key switch (optional).

WIRING DIAGRAM

VSN LT. Conventional control panel

VSN LT specifications

TECHNICAL SPECIFICATIONS	
NUMBER OF ZONES	2-4 zone VSN LT 8-12 zone VSN LT
CONNECTION TERMINALS	Plug-in terminals for 1.5mm2 cable
SUPPLY VOLTAGE	230Vac +- 15% 50/60Hz Batteries12V/7Ah
AUXILIARY OUTPUT VSN LT 2/4	24V fix or 24V resettable, 300mA max. (VSN LT 2/4) 600 mA max. (VSN LT 8/12)
POWER SUPPLY	28.5V/ 1.6A (VSN LT 2/4) 28.5V/ 2.4A (VSN LT 8/12)
MAXIMUM EXTERNAL POWER	1,2A (VSN LT 2/4) 1,8A (VSN LT 8/12)
MAXIMUM NUMBER OF DETECTORS PER ZONE	3mA / Detector in standby (32 System Sensor Detectors)
ZONE VOLTAGE	27.5 Vdc (nominal) at 20Vdc
END-OF-LINE DEVICE IN ZONE	4K7 Ω
STANDBY RANGE	25.5V/4mA to 19V/17mA
ALARM BY DETECTOR	12V or 470 System Sensor Zener Detectors
ALARM BY DETECTOR RANGE	19V/17mA to 7.4V/42mA
ALARM BY CALL POINT	Zener 5V (1/4 Wat. min.)
ALARM BY CALL POINT RANGE	7.4V/42mA to 1.9V/54mA
GENERAL ALARM RELAY	NO or NC, 1 A max.
GENERAL FAULT RELAY	NO or NC, 1 A max.
SOUNDER OUTPUTS	Supervised 4K7, 250 mA max. each.
USER ACCESS (LEVEL 2)	Password / Key switch
PROGRAMMING ACCESS (LEVEL 3)	With jumper
KEYBOARD	Keypad: Keypad: Access/Lamp Test; Sounders: Stop/Disabl./Evac.; Delay: On/Off; Mute: Buzzer mute/acknowledge; Reset
INDICATORS	Power (GREEN) Fire (RED) Fault (YELLOW) Disablement (YELLOW) Test (YELLOW) Earth Fault (YELLOW) Power Supply Fault (YELLOW) System Fault (YELLOW) Sounder Fault/Disabled. (YELLOW) Sounder Delayed (YELLOW) Sounder Fault/Disabled (YELLOW)
ZONE INDICATORS	Detector Alarm (RED FLASHING.) Call Point Fire (RED STEADY) Fault (YELLOW FLASHING.) Disable/Test (YELLOW)
TIME TO ACKNOLEDGE (DELAY MODE)	30 to 300 seconds
RESET TIME (DELAY MODE)	1 to 10 minutes
ALARM VERIFICATION	5 minutes after alarm
ZONE CONTACT CONFIRMATION	30 seconds
OPERATING TEMPERATURE	5 to 35ºC (-5 to 45ºC max.)
OPERATING HUMIDITY	5 to 95% RH non-condensing
BOX	IP30. Lacquered steel box. ABS plastic cover
WEIGHT	3Kg, without batteries
DIMENSIONS IN MM	315 H x 380 W x 100 D

For more information:

www.morley-ias.es