NOTIFIER®
by Honeywell

CONVENTIONAL FIRE DETECTION PANEL –AM12-24

DESCRIPTION

AM12-24 is a conventional fire detection panel designed to comply with **EN-54.2** and **EN-54.4** standards as well the European directive for **CE** mark.

The standard control panel is equipped with 12 detection lines that can increased to 24 lines. It's also available an optional board equipped with 8 relay output plus 8 open collector output, manageable through Control-by-event (CBE) equations.

AM12-24 is equipped with a graphic backlight LCD display, 8 lines, 20 columns (128x64 dots).

The control panel allows realizing of conventional fire detection system so advanced that is similar for many features like analogue system.

AM12-24 is compatible with all **Notifier** conventional detectors.

FRONTAL

The frontal panel is endowed with a graphic backlight LCD display, 8 lines, 20 columns and a keyboard with specific keys as: evacuation, reset delay, buzzer silence, silence/restore sounder, reset and multifunction keys, with direction keys for a complete management of control panel.

AM1224 housing is made up of self-extinguishing plastic, shock proof and suited for wall mounting.

POWER SUPPLY

The EN54-4 power supply can deliver a maximum current of 2,4A; 1A for battery charger and remaining for control panel and auxiliary loads.

MAIN FEATURES

- Two languages software available (Italian, English).
- 12 detection lines, upgradable to 24 through optional expansion card.
- UP to 30 detectors for each line.
- Optional 8 relay plus 8 open collector output board.
- Alarm relay output, fault relay output and supervisioned sounder output.
- 4 digital input.
- 500 events history log in non volatile memory.
- 3 password levels (operator, maintenance configuration).
- 16 character notice programmable for: zone description, output and system.
- Programmable timing (timing up to 600 seconds).
- Tacitation inhibition up to 255 seconds.
- CBE equations for activation of logic operators (And-Or-Xor-Delay-etc.).
- Clock
- Keyboard with multifunctional and dedicated control keys.
- Upload / Download optional PC software for panel configuration.

SISTEMA GESTIONE QUALITÀ E AMBIENTE CERTIFICATI
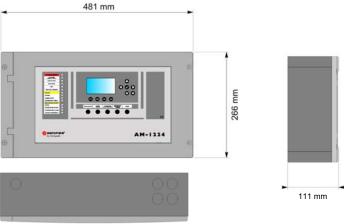UNI EN ISO 9001:2008 - UNI EN ISO 14001:2004

TECHNICAL FEATURES

- Voltage input: 230Vac +10% –15%
- Frequency: 50/60Hz
- Current: 0,45Aac
- Battery: 2x12V 17Ah (not supplied)
- Battery charger: 27V6dc 1Acc ~100mVppmax with temperature compensation
- Main supply: 27,6Vcc 1,4Acc ~100mVppmax
- Standby current: 180mA cc (typical) from battery, without mains, 12 lines closed without loads and display off
- Alarm current: 320 mAcc (MAX)
- User output: 27,6Vcc +2% –10% 1Acc ~300m Vppmax user output + sounder output
- Battery exhaust threshold: 21,5Vdc measured on battery series
- Battery decompensation threshold: 3,4Vcc difference between battery
- Battery release threshold: 20Vdc (batteries in series)
- General Alarm contact: 2A 30Vcc selectable N.O. or N.C.
- General Fault contact: 2A 30Vcc selectable N.O. or N.C.
- Activation threshold L.C. Sounder: cc 30K rip 65Kap balanced a 47K ohm (referred to 24Vcc) Max. 1A

MECHANICAL FEATURES

- Dimensions (mm): 482 (L) x 266(H) x 111(P)
- IP rating: IP30

DIMENSIONS

SOFTWARE

The software **PK-AM12** allow panel configuration through RS232 port. The software is compatible with windows XP and Vista operative system.

PK-AM12 allows managing system, lines, outputs and zone configurations. It also permits to cancel configurations.

OPTIONAL BOARD	
NAME	DESCRIPTION
SK12Z-AM	12 lines expansion board
SK8/8AM	8 relay plus 8 open collector output expansion board