SENS

WISE
(W1-ACP-3XX)
Addressable Control Panel

WISE Control Panel is an addressable fire alarm control panel with the capability to address and manage all events of connected devices. The possibility to integrate ten loop expanders into a single system makes the panel suitable for use in small to large buildings and installations. The panel has a modular structure which further helps in designing a wide range of projects. WISE series support repeaters, network, and monitoring software, covering the needs of small, medium, and large projects.

Features

Design based on the standard:

EN 54-2: 1997 + AC: 1999 + A1:2006
EN 54-4: 1997 + AC: 1999 + A1:2002 + A2:2006

Some hardware features of the WISE Control Panel include:

Designed based on a 32-bit ARM microprocessor.

Modular design to reduce repair and maintenance costs and increase system flexibility.

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7" TFT touchscreen display with a resolution of 800×480

Utilizes advanced digital protocol with low sensitivity to noise.

Two default loops with configurable open and closed loop settings and automatic detection of devices

Capability to expand loops up to 10 loops using 5 loop expansion cards.

Maximum support for 240 addressable devices per loop, depending on the length of the loop path, and the size and quality of the cable used.

Equipped with status indicator LEDs on the panel.

Has an alert buzzer with the ability to activate the silent mode.

Has a relay contact output, for activation of the fire extinguishing system in fire conditions.

Provides two supervised 24-volt outputs with a maximum current of 500mA for conventional sounders.

Equipped with a 24-volt auxiliary voltage output with a maximum current capacity of 500 mA.

Includes an RJ-45 port for connecting to a SENS Watch module for remote monitoring.

Has an Ethernet port for monitoring panel status using a PC.

Includes a USB 2.0 port for programming, backup of settings, and generating panel reports.

Contains an expansion connector for installing an IP Card network card specific to the WISE system for creating an integrated panel network.

Includes one RS-485 port for connecting to a Repeater.

Support for 2 batteries of 12 volts 7.2 Ah

Allows for connecting to a printer for printing of events.

Includes a dialer output.

Some software features of the WISE Control Panel include:

Management of all addressable elements in each loop

Capability of determining and programming 32 zones

Storage of more than 3000 events in the control center

Search and automatic identification of all addressable elements in each loop

Support for various detectors and addressable modules introduced by the manufacturer.

Ability to define 32 Output Zones, allowing for the definition of 32 output elements for each zone.

Ability to define 32 Logic Functions with the option to add Output Zones and addressable elements.

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Technical Specifications

Power Supply Voltage	220V, 60/50Hz
Maximum Power Consumption	500mA
Input Fuse	4A
Backup Batteries	2×12V, 7.2Ah
Maximum External Load Current	500mA
Supervised Sounder Output	500mA
Relay Output	24V, 7A
AUX Output	24V, 500mA
Keypad	Touchscreen
Visual Indicator Type	LED
Audible Alert Type	Buzzer
Display Resolution	800×480
Maximum Event Recording Capacity	10,000 events
Number of User Levels	2 levels with password entry, 1 level without password
Maximum Number of Installable Loop Expansion Cards	5
Maximum Number of Zones	32
Maximum Number of Output Zones	32
Maximum Number of Logic Functions	32
Maximum Fire Relay Output Current	7A
Maximum Fault Relay Output Current	7A
Dimensions	120×485×485 mm
Weight (without battery)	9Kg

Application

The addressable control panel, with low noise sensitivity, is suitable for projects with a significant number of complex elements such as residential towers, large commercial buildings, etc. It is used to accurately determine the location of events and notify the user.

Construction

The addressable control panel case is made of metal with a black finish and has a door that allows for convenient access to the panel's components, such as batteries, circuit boards, and power switches