SENS

Fire Alarm Repeater Panel
W2-ARP-300

This panel is designed for full integration with the SENS addressable control panel. Utilizing the RS485 interface, it ensures stable and reliable communication up to 800 meters between the main control unit and remote locations. The built-in color display provides real-time information on system status, alarms, and possible faults, while LED indicators offer additional visual confirmation. Furthermore, the panel allows the execution of user commands such as emergency evacuation, alarm silence, and system reset. Power is supplied directly from the main control panel, eliminating the need for a separate power source and simplifying installation and maintenance.

Features

7-inch touch screen with 800×480 resolution

RS485 communication

Distance between panels: up to 800 m

Advanced digital protocol with low noise susceptibility

Equipped with panel status LEDs

Built-in buzzer with silence function

Supports Reset/Evacuate/Silence Sounders and Buzzer commands via the repeater

Compatible with Wise control panels

Slim design suitable for surface or flush mounting

Multi-language support

Powered directly by the addressable control panel

Black metallic enclosure

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Technical Specifications

Supply Voltage	24V AUX from control panel
Maximum Current Consumption	150 mA
Operating Temperature	-10 to +40 °C
Number of LED Indicators	18
Background Color Status	White(Normal),Red(Fire active/inactive)
Connections	2 × RS485 lines
Communication Speed	115200 bps
Maximum Number of Repeaters	2 units
Maximum Distance from Control	800 m
Dimensions	60 × 210 × 340 mm
Weight	2.5 kg

Application

In environments with multiple or sensitive areas such as residential towers, office buildings, and hospitals, where the main addressable control panel is placed in a control room to limit general access, the repeater provides user access to panel events in public spaces such as lobbies or security desks.

Construction

The addressable repeater is made of black metallic material. Its design supports both surface and flush mounting, with a sleek appearance suitable for installation in visible areas like lobbies.