



## Addressable Repeater Panel



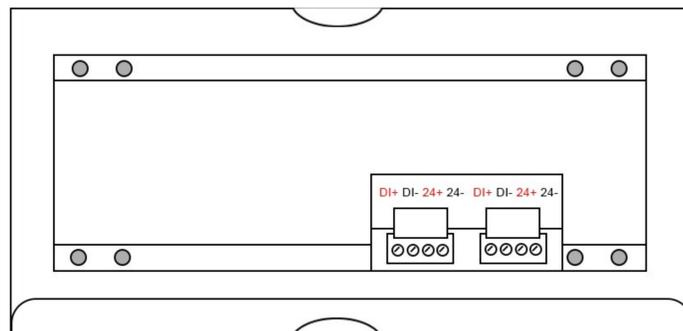
### W2-ARP-300

#### Introduction

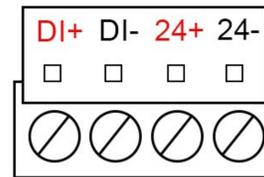
This repeater panel is designed for full integration with the SENS addressable control panel. Using the RS485 interface, it provides stable communication up to 800 meters. The color display and LED indicators show real-time system information, alarms, and faults. Users can send emergency commands such as evacuation, alarm silence, and system reset. The panel is powered directly from the main control unit, simplifying installation.

#### Installation and Wiring

The connectors for installing the addressable repeater panel are shown below:



- ◆ Select a suitable location for mounting the repeater.
- ◆ Using the proper Allen screwdriver, loosen the upper and lower screws and remove the cover.
- ◆ Power off the WISE addressable control panel.
- ◆ Connect the power wires from the AUX output of the main control panel to the repeater's power input terminal using a shielded twisted pair cable with a cross-section of 1 mm<sup>2</sup>.
- ◆ Connect the data wires from the control panel terminals to the repeater's input terminals. For data transmission, use shielded twisted pair cables with a minimum cross-section of 0.6 mm<sup>2</sup>.
- ◆ As shown in the diagram, connect both data and power wires to the female Phoenix connector on the board and the male Phoenix connector of the repeater, ensuring correct polarity (positive and negative).



#### Testing

- ◆ Enter User Level 3 on the addressable control panel.
- ◆ From Configuration > Add Peripherals, activate the desired repeater.
- ◆ The LEDs on the panel corresponding to the repeater should start flashing alternately.
- ◆ Generate an event on the main control panel; the event must immediately appear on the repeater's LCD display and LEDs.
- ◆ Enter the Level 2 menus on the repeater and test the functions such as Silence Sounders, Reset, and Buzzer. These operations should be reflected identically on the main control panel.
- ◆ At User Level 3, you can modify the repeater ID and backlight display settings.

#### Warranty

Ensure that this device is used only with compatible control panels and that no unauthorized or harmful operations are performed on it; otherwise, the warranty will be void. The repeater must be regularly inspected, serviced, and maintained to confirm correct operation.

#### Troubleshooting

In case of malfunction of the addressable fire alarm repeater, troubleshooting and repair must be carried out only by the SENS after-sales service unit or an authorized representative appointed by the company.

#### Technical Specifications

Supply Voltage	24 V AUX from control panel
Maximum Current Consumption	150 mA
Operating Temperature	-10 °C 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

## Connection Diagram – Addressable Control Panel to Repeater

