1. GENERAL DESCRIPTION
AIPHONE's AI-RS150, AI-RS160, AI-RS170, and AI-RS180 are Security Substations designed to be used with AIPHONE's AI-900 Voice Security System.

2. CONNECTION
Connection to the AI-900RS (for 25 V line)

Connection to the external relay (AI-RS180 only)

Note: AI-RS180 open collector output is 30 mA / 24 VDC (max.).

3. OPERATION
Pressing the call button calls the control station. The call lamp then flashes until the conversation begins, and it remains lit during the conversation (AI-RS180 only). The open collector output is activated immediately after pushing call buttons and remains active until call is cancelled (AI-RS180 only).
4. MOUNTING
Mount the substation to an electrical box mounted to the wall.

Model No. AI-RS150 AI-RS160 AI-RS170 AI-RS180
Rated Input 1 W
Rated Impedance 625 Ω (1 W, 25 V)
Output Sound Pressure Level 82 dB
Frequency Response 300 to 4,000 Hz (minimum 72 dB)
Internal Speaker 4 cm dynamic type
Sensitivity as Microphone –40 dB ± 3 dB (0 dB = 1 V / Pa)
Ambient Temperature –10°C to +50°C (Temperature range not to freeze the speaker and switch)
Finish Stainless steel
Weight 410 g 540 g 540 g 570 g
Weather-Resistant Coating None None Printed circuit board Printed circuit board
Call Button Resin-made push button Metal push button Metal push button Metal push button (red top ø20 mm)
Call Lamp None None None Provided
Open Collector Output None None None 24 VDC, 30 mA
Accessories Oval head screw (No. 6-32 UNC x 18) ...

Note: The design and specifications are subject to change without notice for improvement.

5. SPECIFICATIONS