

Install Instructions



PRODUCT DESCRIPTION

The IAV Series offer a comprehensive set of features, functionality and ease of installation currently available in sounder (Audible) and strobe (Visual) remote signaling. They are compatible with the voltage range as described herein. All IAV Series appliances are compatible with standard Decora style cover plates (base color choice plate included) and have polarized polarity reversal clamping screw terminal connections.

The IAV Series range (IAVH24 audible [sounder], IAVLS24 strobe [visible], and IAVLSH24 combination audible sounder visible strobe) require only a single gang, standard depth mounting space. Additionally an optional Strobe Plug-in Unit adder strobe can be added to an existing IAVH24 to yield all the functionality of the IAVLSH24.



Note: The IAV Series are conveniently designed to provide/augment audible and visible UL1638 Private Mode alarm indications. They are not intended for Public Mode notification. All "V" code product come with decals for optional use - red lettering for FIRE and blue lettering for SMOKE.

Installation

To install a IAVH24, IAVLS24, or IAVLSH24 simply wire the provided polarized terminals correctly into the control circuit. Observe polarity marked adjacent to the terminal block for the conditions desired. See figure 2.

To install a Strobe Plug-in Unit Sub-Assembly to a IAVH24 module simply position the three link pins on the Strobe Plug-in Unit over the hole provided in the IAVH24 module. Push firmly until the pins are seated and the four snap in legs on the Strobe Plug-in Unit completely snap in and latch. See figure 1.

Note: This operation is only required if you are "upgrading" an existing IAVH24 to obtain IAVLSH24 functionality. The IAVLS24 comes pre-assembled as does the IAVLSH24.



IAVLSH24 and IAVH24 Module Audible Sounder Output Configurations

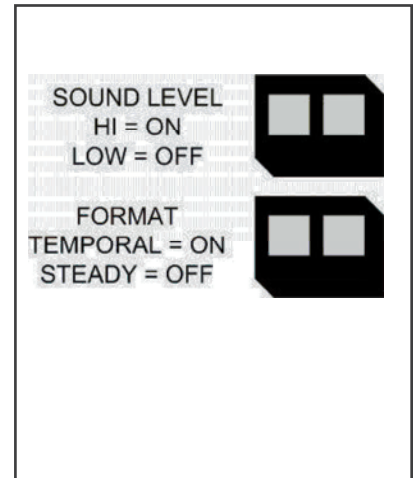
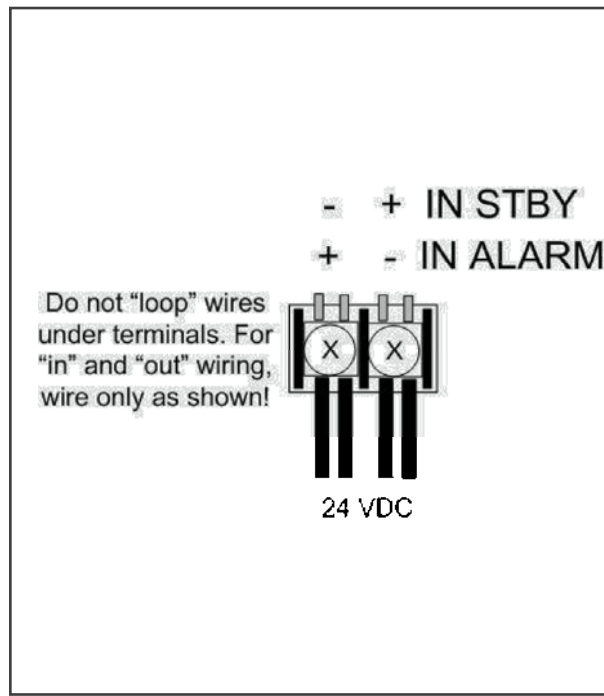
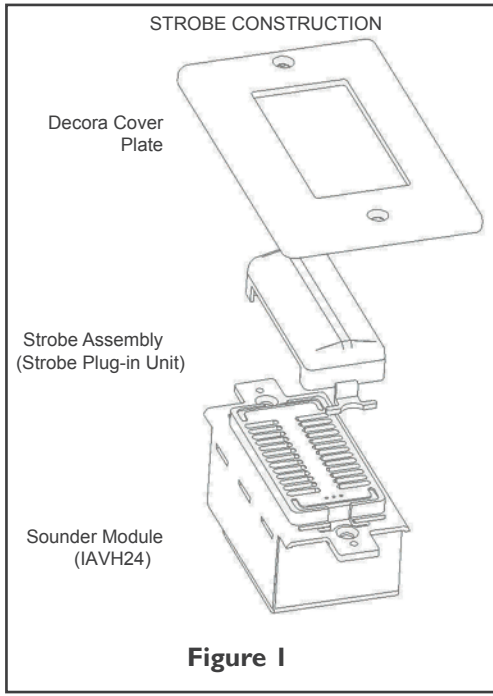
The sound output level is jumper selectable at either 53/54 db (low) or 68/69 db (high). The units are shipped with the jumper installed - pre-set to high. See figure 3.

The sound output format is also jumper selectable for steady or temporal (code 3). The units are shipped with the jumper installed - pre-set to temporal. See figure 3.

Note: When removing jumpers to change settings simply stow them on one leg of the jumper pins so they can be easily reprogrammed. On is both pins spanned by the jumper plug, off is the jumper plug completely removed and/or stowed on one pin. See figure 3.

To finish the install of the IAVLSH24 Series, mount the wired and programmed unit securely to the installed back box (by others). Install the supplied single gang Decora cover plate. See figure 1.

Note: As with all final completed installations, all equipment should be completely tested to insure proper functionality has been achieved.



MECHANICAL SPECIFICATIONS

	IAVLSH24	IAVH24	IAVLS24	Strobe Plug-in Unit
Voltage:	24VDC	24VDC	24VDC	24VDC
Standby current:	0.0 mA	0.0 mA	0.0 mA	0.0mA
Alarm current:	70.0 mA	35.0 mA	70.0 mA	70.0 mA (add)
Alarm dB @ 10' (high)	68 dB	69 dB	N/A	N/A
Alarm dB @ 10' (low)	53 dB	54 dB	N/A	N/A
Alarm CD @ 10' on axis	2.0	N/A	2.0	2.0
Temperature:	0°C to 49°C 32°F to 120°F	0°C to 49°C 32°F to 120°F	0°C to 49°C 32°F to 120°F	0°C to 49°C 32°F to 120°F
Dimensions:		Single Gang Plate		N/A
Wiring:		14-28AWG, Solid or Stranded		N/A

For use with UL listed 24VDC power circuits.