

AV-816, AV-208 Zone Expanders

INSTALLATION INSTRUCTIONS

Item: 4703 (A5DS)

Description

The AV-816 is a 16-zone expander module compatible with AV-2016D, AV-2016DP and AV-2016 Dublo alarm panels. The AV-816 is also compatible with older versions of AV-2016.

The AV-208 expander module is an 8-zones expander compatible with AV-2055, AV-2088 and AV-2008 Dublo alarm panels, version 3.02 and later.

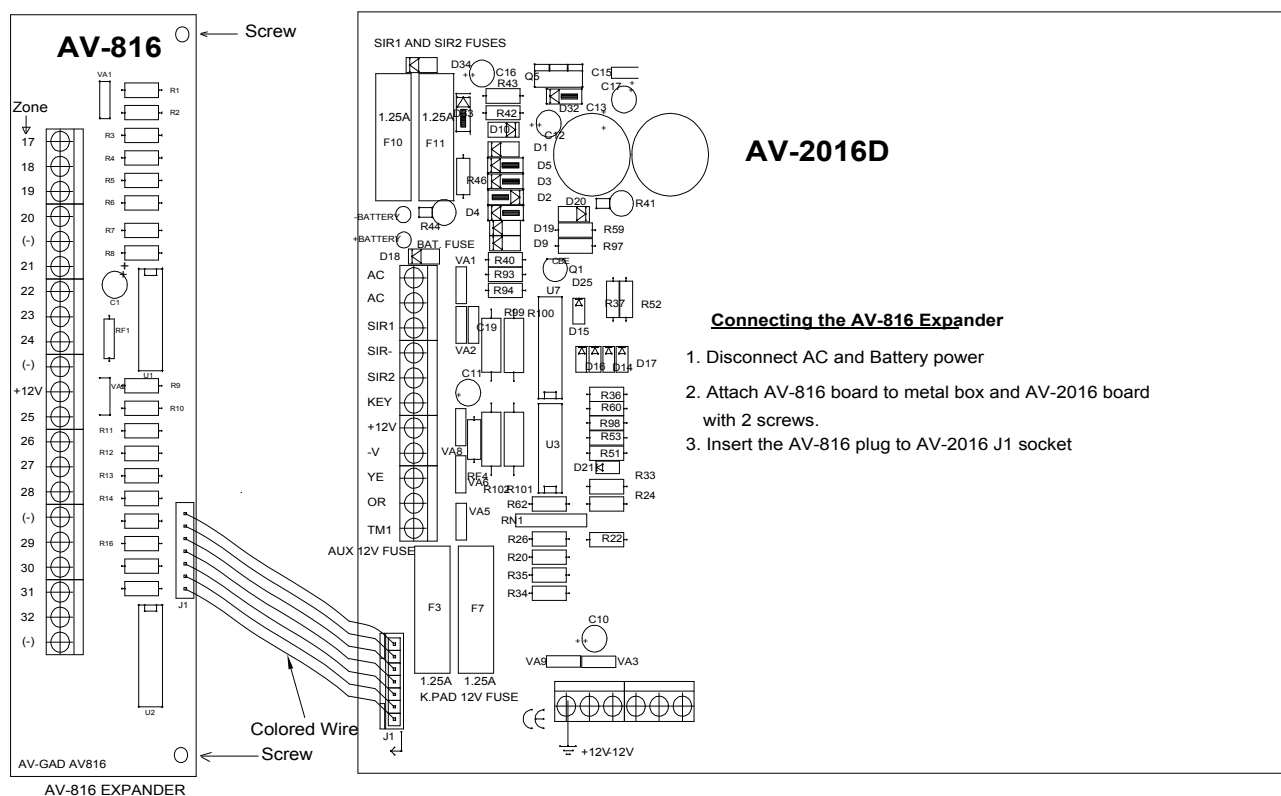


Figure 1: AV-816 connected to AV-2016 alarm panel

Mounting

Place the AV-816 board on the AV-2016 metal box left side section, insert and tight the two screws. Refer to figure 1.

Use the two washers supplied (tighten on the screws) to tight the AV-816 board to the box.

The AV-208 is supplied with plastic spacers or similar assembly solution, depends on the housing (metal or plastic). In Av-Gad ABS box use the groves holder on the left side of the box, it's screws free.

Connection

Disconnect AC and battery power in your alarm panel.

Plug the AV-816, or AV-208 wire connector to J1 socket, refer to Figure 1.

For 16 zone old panels, AV-8616 type: Connect a wire between -V of both AV-8616 and AV-816.

Zone Wiring Mode

Each expander board is supplied with eight or sixteen (according to item) 2.2K and 4.7K resistors.

It is recommended to use the EOL mode. When EOL resistors are applied, the security level is higher and EMI and RFI interference is rejected; this ensures higher reliability.

Via programming, select either End-of-Line (E.O.L.) Resistor Protection, or non-E.O.L. mode.

If E.O.L. mode is selected, install the E.O.L. Resistor (2.2K/0.25 or 0.5W) inside the detection device (e.g. PIR, Magnetic Switch).

Programming enables E.O.L. mode.

To enable the Tamper Alarm of each zone, refer to the programming table and set the required zone by programming; in AV-2016 refer to address number 144 and 146.

Wiring details are available in the AV-2008 installation manual for AV-208 or the AV-2016 manual for the AV-816 type. Refer to Double-Zone wiring chapter.

Programming

In each alarm type, make sure to program the "Zone in Use" feature for the required zones that been added by the expander, either AV-206 or AV-816.

In AV-2016 refer to address 102 and 103.

AV-816 and AV-208 Specifications	
Operation Temperature	-10°C to 60°C
Maximum relative Humidity	80% @ 20°C
DC Power	12V DC, +/- 10% Polarity and Surge protection
Maximum Current Consumption	22 mA at idle
Packing	Supplied as PCB in carton packing box
Zone Inputs (zones)	AV-208 @ 8 inputs, AV816 @ 16 inputs
Programming	Via the control panel
Approvals	CE, EN
Zone input terminal	Screw types with wire protector
Interfacing to alarm panel	Plug-in connector
Attaching to housing	AV-208 insert-in grove, AV-816 screws
Dimensions AV-208 (as PCB)	87 X 33 m"m
Dimensions AV-816 (as PCB)	152 X 42 m"m