

# Installation Instructions

## ALPU-90V



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## Warning

### 1. IMPORTANT SAFETY AND INSTRUCTIONS

2. Read and understand all instructions before installing this product. Save these instructions for future reference.

3. This suppressor is intended to provide lightning protection for various configurations of Alvarion radio model families BreezeMAX, BreezeACCESS VL, BreezeACCESS 4900, BreezeNET B Series and DS.11 Version 4.

Thank you for your recent purchase of our surge protection solution. Your satisfaction with our product and service is important to us. If you have any questions, comments or concerns, please contact us at 800.882.9110 or visit our website at [www.transtector.com](http://www.transtector.com). We look forward to continuing to serve your protection needs.

# Installation Instructions

## CB SERIES

1. This product is intended for use only on data and DC power circuits with operating voltages not to exceed 55VDC and operating currents not to exceed 1A.

2. Mounting the ALPU-90V (See Diagram): Mount the device as close to the equipment to be protected as possible using the provided hardware and the concealed mounting holes. Mount the unit in the orientation shown, with the marking "UP" facing upward and the strain reliefs facing the ground.

### 3. Wiring the ALPU-90V

3.1 Removing the Cover: Loosen the 4 captive cover screws using a Phillips screwdriver and lift off the cover.

3.2 Wiring the Suppressor: Thread a multiconductor cable from the data source through the strain relief adjacent to the marking on the PCB labeled Input. Strip back the cable jacket as needed, then install the conductors into the IDC connectors labeled Input using the following technique: Lay the wires into the grooves in the connector, leaving approximately 1/8" of wire overhanging, and press down firmly with the punch-down tool provided in the packaging supplies until the wires firmly engage into the fork terminals. Use the wiring tables in this document as well as the callouts on the PCB as a guide. Repeat this procedure for the outgoing multiconductor cable, using the connectors labeled Output. Tighten the strain reliefs to secure the cables (DO NOT OVER TORQUE!!). Reinstall the cover.

3.3 The ALPU-90V is compatible with the following Alvarion Product Families: BreezeMax; BreezeACCESS VL; Breeze ACCESS 4900; BreezeNET B Series and DS.11 Version 4, as well as any other radio systems with the electrical service characteristics given in note 1.

3.4 Grounding: Connect the external ground lug on the enclosure to a solid Earth ground. The unit must be grounded for the suppressor to operate properly!

Table 1

RJ-45 Pin	Function
1	TX+
2	TX-
3	RX+
6	RX-
4, 7	+55V
5, 8	-55V (RETURN)
Shield	DRAIN

