

# Installation Instructions

## Dual Signal Arrestor



an INFINIT<sup>e</sup> company

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## Warning

1. RISK OF ELECTRICAL SHOCK!
2. Disconnect before servicing.
3. Service to be performed by qualified personnel only.

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

## Dual Signal Arrestor

These products are intended for use only on signal circuits with operating voltage not to exceed the product rating of 60VDC and operating currents not to exceed 40A.

### INSTALLATION INSTRUCTIONS

1. For maximum protection, mount the device as close as possible to the equipment to be protected.
2. Mounting, Mechanical: Install the product onto standard 35mm DIN-Rail. Engage the fixed side DIN rail clip notches onto the rail first, then snap the sliding clip into place. To remove the device, apply force on the slot provided on the sliding clip using a flathead screwdriver.
3. Grounding: The device can be grounded via the DIN rail. If using DIN rail for grounding, copper DIN rail must be used due to the large surge currents. If DIN rail grounding is not desired, an alternate grounding point is provided on the device. If connecting to this point, use a 10-24 screw and a wire lug (match the wire gauge to the input wires -- or larger). Multiple adjacent device grounds may be chained together with a copper bus bar.
4. Signal Disconnect: Two white color standard 80A MAXI fuses are installed to connect/disconnect the signal for testing. Each circuit can be independently disconnected. Note, only use 80A MAXI fuses, other fuses may cause damage to the device.
5. Test Points: Electrical test terminals are provided for the incoming and outgoing lines. These are inline and positioned above or below where the wire connects into the unit. Using a multimeter, voltage checks can be made at these points.

### SUPPRESSOR MODULE FAILURE NOTES

1. Signal Disconnect: If maximum ratings are exceeded resulting in a module malfunction, a thermal disconnect is designed to open the affected surge current path. Both signal circuits are designed to remain uninterrupted after thermal disconnect activation.
2. Annunciator: The suppressor module features two colored windows indicating the status of the surge suppressor circuits. Green indicates the device is protecting surges normally. When a surge event disables that portion of the circuit, the window will turn red. In the event of any of the windows turning red, the module must be replaced. The surge module is designed to be removed and replaced with the circuit live with no signal interruption.
3. Alarm Dry Contact: The pins on the alarm dry contact connector are Normally Closed (NC). In the event of a disabling surge event (in any of the three protection circuits) the pins become Normally Open (NO).

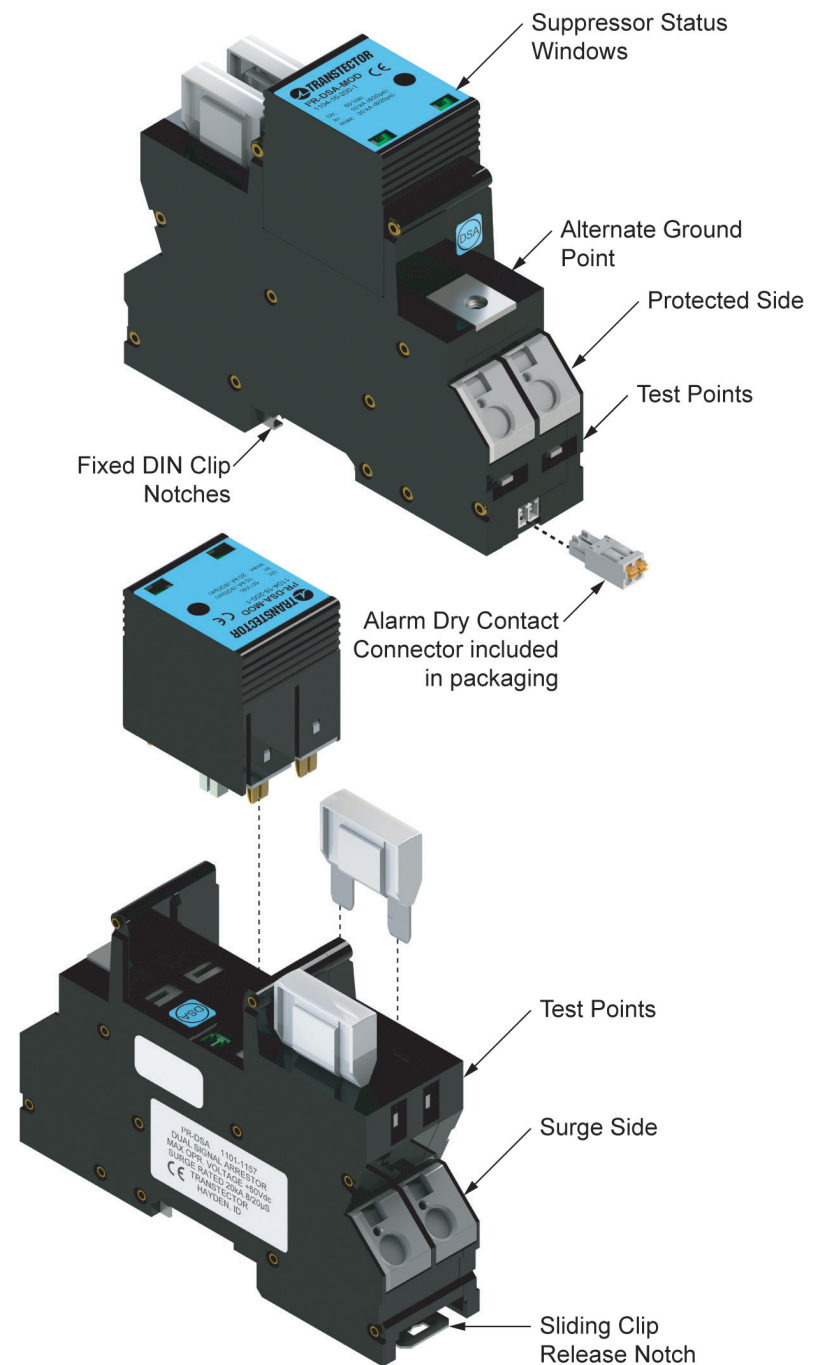


Figure 1 - Product Features