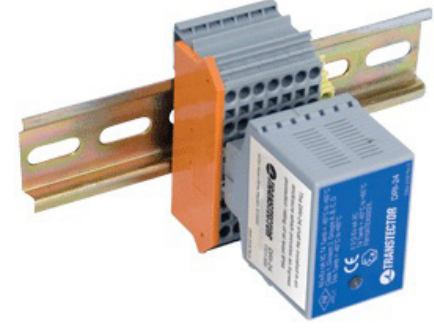


Installation Instructions

DRI 24



an INFINIT[®] company

Warning

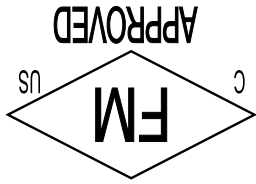
1. Use each model on specified data application only.
2. The suppressor will interrupt communications in the event of self sacrifice.
3. WARNING – EXPLOSION HAZARD. SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2. AVERTISSEMENT – RISQUE D'EXPLOSION. LE REMPLACEMENT DE COMPOSANTS PEUT NUIRE À LA CONFORMITÉ DE CLASSE I, DIVISION 2.
4. Enclosure material: Nylon (PA 4.6). Nylon 4.6 features a high dimensional stability under heat. Its long-term temperature resistance under mechanical stress is 115°C (239°F). The long-term heat resistance after 10,000 hours is 140°C (239°F). The short-time upper temperature limit is 280°C (536°F).

Model	MCOV
DRI 24	34VDC

800.882.9110 | 208.772.8515 | www.transtector.com



II 3 G Ex nA IIC Gc
T4 Tamb = -40°C to +65°C
FM10ATEX0002X.



Class I, Zone 2 AEx/Ex nA IIC T4 Tamb = -40°C to +65°C
Class I, Division 2, Groups A, B, C, D;
T4A Tamb = -40°C to +65°C

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. We look forward to continuing to serve your protection needs.

Installation Instructions

DRI 24

1. These products are intended for use only on data/signal circuits with operating voltage not to exceed the product rating (see chart on reverse), and operating currents not to exceed 5A. The DRI 24 is approved for use in nonincendive equipment in Class I, Division 2, Groups A, B, C and D; equipment protection by non-sparking equipment AEx/Ex nA for use in Class I, Zone 2, Group IIC, hazardous (classified) locations; and ordinary (unclassified) locations with an ambient temperature rating of -40°C to +65°C, indoor environments.

2. Installing the DRI 24

2.1 Specific Conditions of Use:

2.1.1 In type of protection non-sparking equipment incorporating a sealed relay, the data power equipment protector (DRI 24) equipment is designated with the following specific conditions of use:

2.1.1.1 When installed as Category 3 equipment, the DRI 24 surge suppressor shall be mounted within a tool-secured enclosure which meets the requirements of EN 60079-0 and EN 60079-15 and is capable of accepting the applicable wiring methods specified in EN 60079-14. Where installed in outdoor or potentially wet locations, the enclosure shall, at a minimum, meet the requirements of IP54. Where installed in locations providing adequate protection against the entry of solid foreign objects or water capable of impairing safety, the enclosure shall, at a minimum, meet the requirements of IP4X.

2.1.1.2 The final enclosure shall not contain more than 7.5% in total of magnesium.

2.1.2 In types of protection suitable/non-sparking equipment incorporating a sealed relay, the surge suppressor (DRI 24) equipment is designated with the following specific conditions of use:

2.1.2.1 The equipment shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application, including a tool removable cover.

2.2 Mount the device as close as possible to the equipment to be protected.

2.3 Mounting, Mechanical: Install the product onto standard 35mm DIN Rail. If using copper or aluminum DIN-Rail connected to ground, the product base will connect the product to ground. If using steel DIN-Rail, remove the ground block and install the product using the ground terminal and a minimum of 14 AWG wire between the product and the best ground available.

NOTE: Din-Rail must be connected to a solid earth ground for proper suppressor operation.

2.4 Wiring: The product is designed for connection to two pairs of data lines. Each individual line is protected to ground with a SASD stack. In addition to these two pairs of data lines the product features a relay that monitors the status of the suppression elements and changes state if any suppression element fails. A separate 110 to 125VAC power source must be connected to the AC power Input and AC power common terminals for the relay to function.

2.5 Wiring: The relay dry contacts can be utilized at the C, NC, and NO terminals (Form C).

2.6 Module replacement: Please note that removing the module from the base will disconnect the data outputs from the data inputs. The module must be in place for the protected circuit to function.

