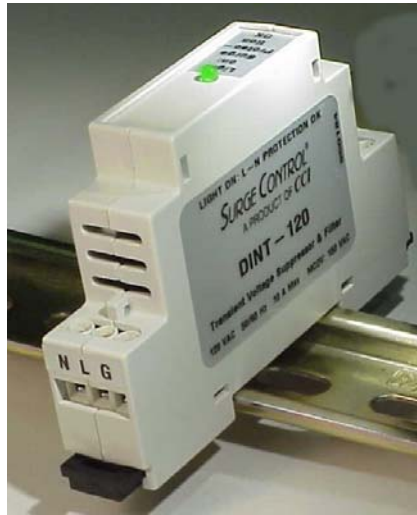


# DINT SERIES

EMI/RFI FILTER



DIN-Rail SURGE SUPPRESSOR

---

## FEATURES:

- ▶ DIN Rail heavy duty surge suppressors ideal for protecting electronic equipment and instrumentation.
- ▶ LED indication of protection status.
- ▶ Thermal cut out protection ensures fail safe (open) and prevents any safety hazard during sustained over-voltages.
- ▶ Effective low clamping voltages.
- ▶ Effective EMI/RFI filtering combined with suppression in one package.
- ▶ Automatically resets after each transient. No maintenance is required.
- ▶ Low profile DIN Rail mount package for installation in new and existing designs.
- ▶ Can be installed in a series or shunt configuration.

---

## Applications:

The DINT Series is designed to be hard wired into 120 VAC or 220 VAC power line service to sensitive electronic equipment.

Typical applications include measurement and control, instrumentation, communication equipment, CATV distribution systems, telecom equipment, computer systems, sliding door controls, etc.

---

## Typical Installation:

Select either Series or Shunt connection method. (See diagram on next page.)

Mount the DINT Series surge suppressor on a DIN rail, as close as possible to the equipment being protected.

Turn off power to the equipment and connect Line, Neutral, and Ground wires as shown. Restore power.

**Important: Appropriately sized overcurrent protection (fuses or circuit breakers) must be installed upstream of the DINT Series Surge Suppressor, on the Field Power lines.**

**SURGE CONTROL**®  
A PRODUCT OF CCI

# DINT- SERIES OPERATING SPECIFICATIONS:

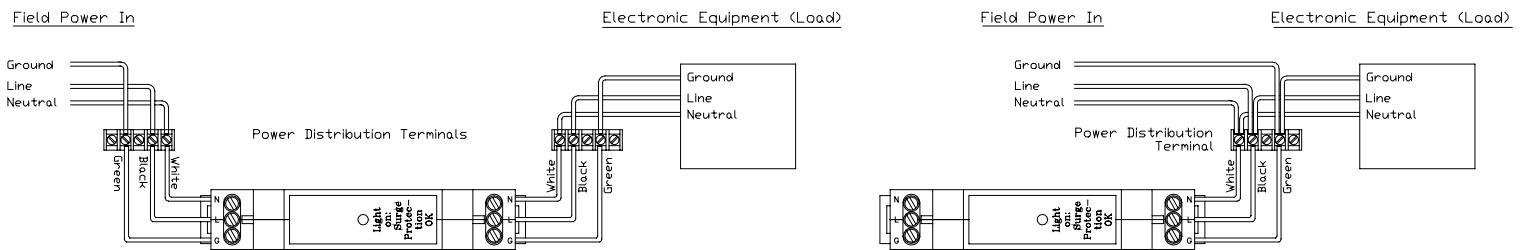
SPECIFICATIONS	DINT-120	DINT-220
Line Operating Voltage	120 VAC	220/240 VAC
Maximum Operating Line Current	10 Amps *	10 Amps *
MCOV	150 VAC	275 VAC
Maximum clamping Voltage at 100 Amps (L-N)	395 Volts	710 Volts
Maximum transient Voltage	20 kV	20 kV
Maximum Transient Current (L-N)	20 kA	20 kA
Maximum Transient Current (L-G)	10 kA	10 kA
Maximum Transient Current (N-G)	10 kA	10 kA

\* Operating current listed is for the a Series type connection. If the Shunt connection is used the operating current is not limited. Operating and Storage Temperature -65 Degrees Celsius to +150 degrees Celsius. Waveforms: 1.2 μSec voltage/ 8 x 20 μSec source current.

## Typical Installation

Series Connection

Shunt Connection

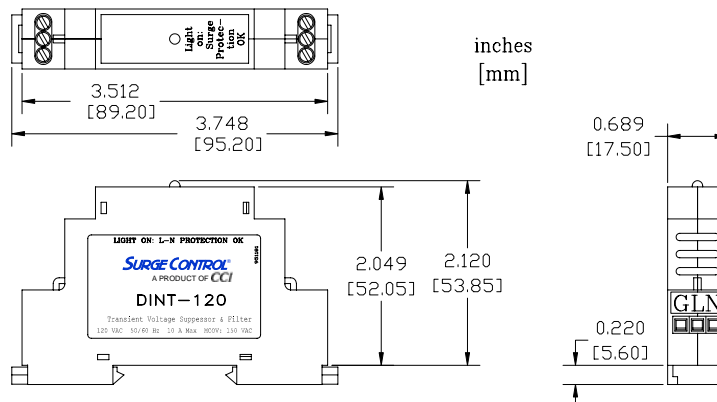


Select Series or Shunt configuration depending on preference or wiring layout. Either end of the DINT Series SPD can be used for the shunt connection.

Connect Line (Black), Neutral (White) and Ground (Green) wires as shown, using wire size up to 12 AWG. Make sure to connect the correct wires to the labeled terminal on the DINT Series SPD. Protected lines (to Electronic Equipment) should be kept as short as possible. (Power distribution terminals may be located inside the Equipment housing, or on the DIN rail wiring panel.)

**Important: Appropriately sized overcurrent protection (fuses or circuit breakers) must be installed upstream of the DINT Series Surge Suppressor, on the Field Power lines.**

## OUTLINE DIMENSIONS: DINT-SERIES



**Circuit Components, Inc.**  
 2400 S. Roosevelt Street Tempe, AZ • 85282  
 Tel: 480-967-0624 • Fax: 480-967-9385  
 Email: [info@surgecontrol.com](mailto:info@surgecontrol.com) • Website: [www.surgecontrol.com](http://www.surgecontrol.com)

**SURGE CONTROL®**  
 A PRODUCT OF CCI

This information is not intended to and does not create any warranties, expressed or implied, including any warranty of merchantability or fitness for a particular purpose. Circuit Components Inc. reserves the right to change specifications at any time without notice.