



The World's Fastest and Most Reliable Industrial Surge Protection

zerodowntime.net

Powered by Zero Downtime

When Failure is Not an Option.

Engineered for communication and power applications, ZeroDT surge-protection solutions never degrade. Passive transient surge protection for communication loops and power applications.



Non-degrading SASD technology



Multiple communications and power applications



Less than 5 nanosecond response time



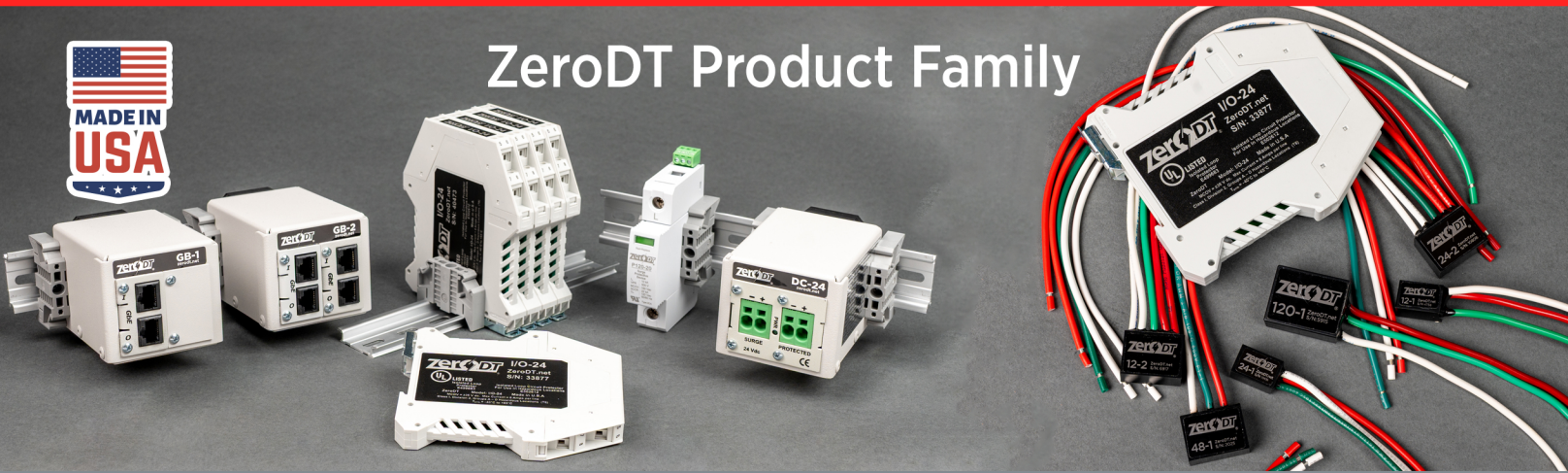
Repeatable voltage clamping levels



Small form factor allows for optimum protection



ZeroDT Product Family



Get protected. Stay protected. 713-614-8737 sales@zerodowntime.net zerodowntime.net

ZeroDT Family Characteristics

All Products

Response Time
< 5 nanoseconds

Nominal Surge Current:
withstands repeated applications of the levels shown

Operating/Storage Temp
-40°C to +80°C
-40°C to +65°C for I/O-24

Humidity
0-95% non-condensing

RoHS Compliant

Wire Leads:
#16 awg, fine stranded copper 12 in long to allow cutting to length

Certifications:
UL Listed -- Isolated Loop Circuit Protector (E499683)

UL Listed -- Isolated Loop Circuit Protector for use in Hazardous Locations (E502612)
Class 1, Division 2, Groups A-D Hazardous Locations

I/O-24

- DIN rail mount - protects 4 wires or 2 loops
- Nominal voltage: 24V
- Max Cont. Operating Voltage: 36 V dc
- 8/20 μ s, Line-to-Ground: >1200 Amps
- 10/1000 μ s, Line-to-Ground: >130 Amps
- 111 mm H, 99 mm W, 12.6 mm D
- Mounts to Grounded DIN Rail
- Compression lugs accept #26 to #14 AWG conductors

24-1

- Protects 2 wires or 1 loop
- Nominal voltage: 24V
- Max Cont. Operating Voltage: 36 V dc
- 8/20 μ s, Line-to-Ground: >600 Amps
- 10/1000 μ s, Line-to-Ground: >65 Amps
- 19 mm H, 12.7 mm W, 12.7 mm D
- 1 Green Wire: Ground
- 1 Red Wire: Positive/Negative,
- 1 White Wire: Positive/Negative

24-2

- Protects 4 wires or 2 loops
- Nominal voltage: 24V
- Max Cont. Operating Voltage: 36 V dc
- 8/20 μ s, Line-to-Ground: >600 Amps
- 10/1000 μ s, Line-to-Ground: >65 Amps
- 19 mm H, 25.4 mm W, 12.7 mm D
- 1 Green Wire: Ground
- 2 Red Wires: Positive/Negative,
- 2 White Wires: Positive/Negative

12-1

- Protects 2 wires or 1 loop
- Nominal voltage: 12V
- Max Cont. Operating Voltage: 18 V dc
- 8/20 μ s, Line-to-Ground: >600 Amps
- 10/1000 μ s, Line-to-Ground: >65 Amps
- 19 mm H, 12.7 mm W, 12.7 mm D
- 1 Green Wire: Ground
- 1 Red Wire: Positive/Negative,
- 1 White Wire: Positive/Negative

12-2

- Protects 4 wires or 2 loops
- Nominal voltage: 12V
- Max Cont. Operating Voltage: 18 V dc
- 8/20 μ s, Line-to-Ground: >600 Amps
- 10/1000 μ s, Line-to-Ground: >65 Amps
- 19 mm H, 25.4 mm W, 12.7 mm D
- 1 Green Wire: Ground
- 2 Red Wires: Positive/Negative,
- 2 White Wires: Positive/Negative

48-1

- Protects 2 wires or 1 loop
- Nominal voltage: 48V
- Max Cont. Operating Voltage: 65 V dc
- 8/20 μ s, Line-to-Ground: >600 Amps
- 10/1000 μ s, Line-to-Ground: >65 Amps
- 19 mm H, 25.4 mm W, 12.7 mm D
- 1 Green Wire: Ground
- 1 Red Wire: Positive/Negative,
- 1 White Wire: Positive/Negative

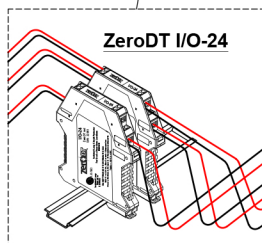
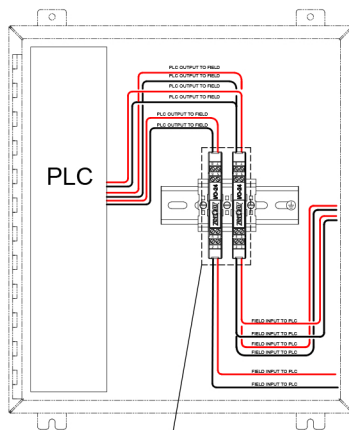
120-1

- Protects 2 wires or 1 loop
- Nominal voltage: 120V AC
- Max Cont. Operating Voltage: 138 VAC or 195 V dc
- 8/20 μ s, Line-to-Ground: >600 Amps
- 10/1000 μ s, Line-to-Ground: >65 Amps
- 31.7 mm H, 25.4 mm W, 12.7 mm D
- 1 Green Wire: Ground
- 1 Red Wire: Positive/Negative,
- 1 White Wire: Positive/Negative

CONTROL CABINET

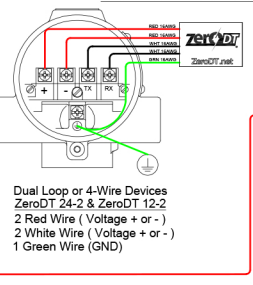
4 - WIRE DEVICE WIRING

2 - WIRE DEVICE WIRING

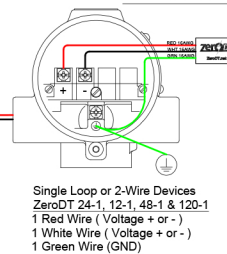


ZERDT I/O-24 ISOMETRIC VIEW

ZeroDT 24-2 / 12-2



ZeroDT 24-1 / 12-1



ZeroDT 48-1



ZeroDT 120-1



All ZeroDT products are intended for use with low resistance earth ground connection

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