



**Ferro-Damp is a smart (active) load instrument that eliminates unwanted overvoltage surges and protects voltage transformer in case of a ferroresonance situation.**

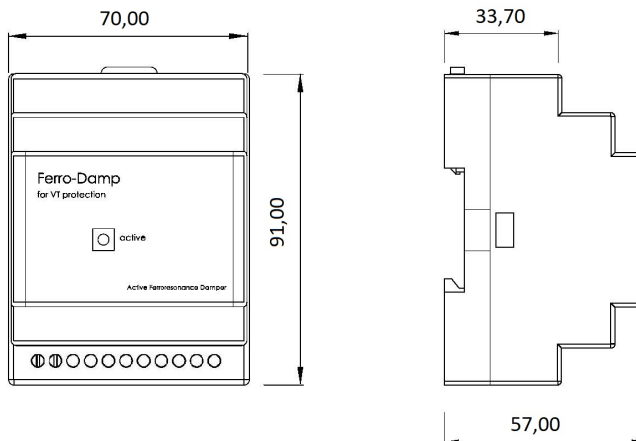
## Features

- Better ferroresonance damping than damping resistors due to its low resistance when ferroresonance occurs
- Better power safety for earth-fault due to its high resistance during earth-fault
- One Ferro-Damp for all secondary voltage values between 20-120VAC (open-delta)
- Activation time delay to keep other external protection devices unaffected
- LED indication for status monitoring
- Small size compared to damping resistors
- Can be mounted low-voltage part on DIN-rail
- One Ferro-Damp for the protection of 3 voltage transformer with open-delta connection

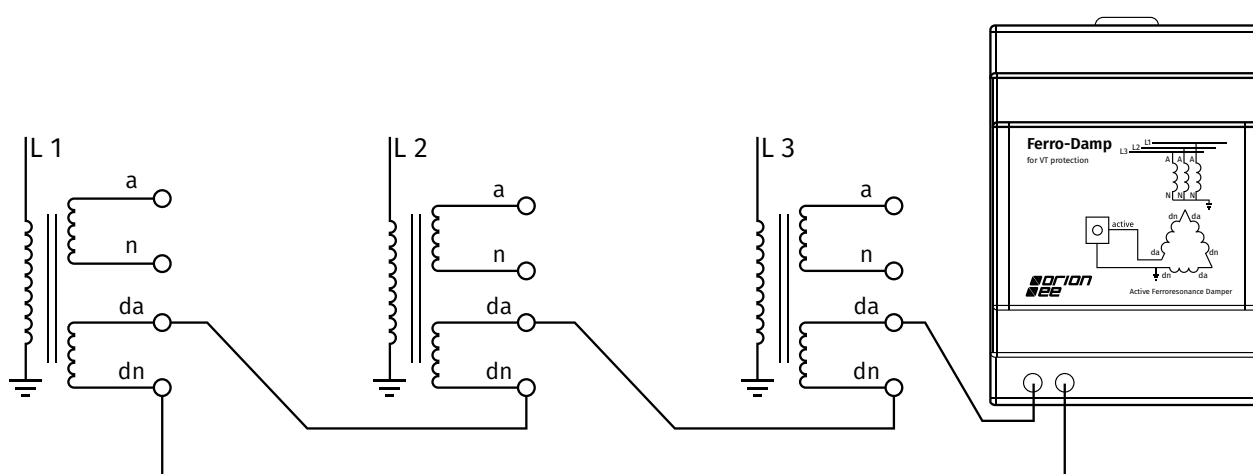
## Technical Parameters

<b>Nominal Voltage</b> 20-120VAC (open-delta)	<b>Protection Class</b> IP20
<b>Nominal Frequency</b> 50/60Hz	<b>Operating Temperature</b> -25°C to +55°C
<b>Threshold Voltage</b> 20VAC,25VAC,30VAC(20VAC default)	<b>Storage Temperature</b> -40°C to +85°C
<b>Time Delay</b> 0.5-1.5-2.5-3.5 sec (0.5 sec default)	<b>Humidity</b> up to %90
<b>Damping Time @ 120V</b> 1 s	<b>Dimensions</b> 70 x 91 x 57mm
<b>Max.Operational Current</b> 14A	<b>Weight</b> 0.15 kg
<b>Installation</b> 35mm DIN Rail (DIN EN 50 022)	<b>Connection</b> Screw, 0.5 – 2.5 mm wire

# Technical Drawing



# Connection Diagram



# Indication Status

Led Status	Description
Continuously ON	Damping action is in process
Blinking with 0.67Hz	Cooling
Blinking with 3.33Hz	Contunious over-voltage (earth-fault) or at thermal limits

# Required data for order

- ✓ Threshold Voltage
- ✓ Time Delay