

## ***Advanced AC Main & Sub Panel Silicon Surge Protection***

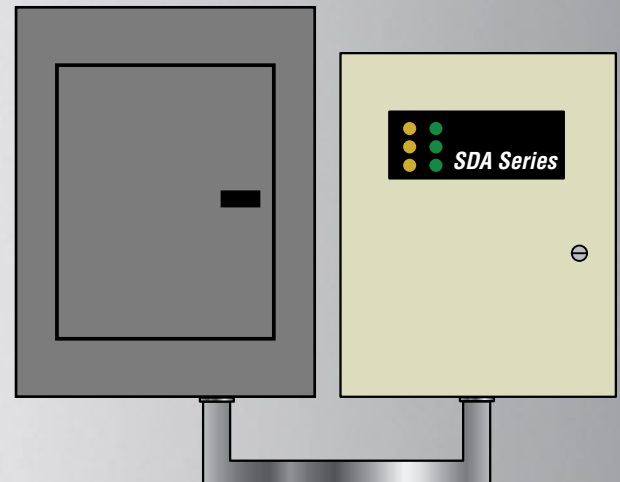
Transtectors SDA Series protects electronic equipment and systems for communications, industrial and medical applications at the AC main and branch service panels. The SDA Series features our proprietary Silicon Avalanche Suppressor Diode Technology for effective safeguarding and maximized system performance. Your success demands a superior protection solution provided by Transtector Systems.



### ***Applications***

- Electronic Equipment and Systems
- Main and Branch AC Service Panels
- Medical
- Industrial
- Communications MTSO and Host CO

Service Panel



# **TRANSTECTOR**



smiths

## ***SDA Series***

***Advanced AC Main & Sub Panel Silicon  
Surge Protection***

## Features

- High speed, high current, solid state devices
- Continuous bipolar, bidirectional, non-interrupting protection
- Instant automatic reset with no degradation in production capabilities
- Made with 100% Silicon Avalanche Suppressor Diodes
- Installed in parallel with the load
- Contained in NEMA Type 4 max enclosure
- Amber lights on the front of the enclosure illuminate to indicate the suppressor is operational and power is applied

## Configurations

<b>Service Frequency</b>	50/60 Hz
<b>Operating Temperature</b>	-30° C to +65° C
<b>Response Time (Max.)</b>	<5 Nanoseconds

**Warranty** Five (5) year unconditional warranty  
Ten (10) year manufacturer warranty

**Dimensions** 20" h X 16" w X 6.88" d  
50.8cm x 40.6cm x 17.48cm

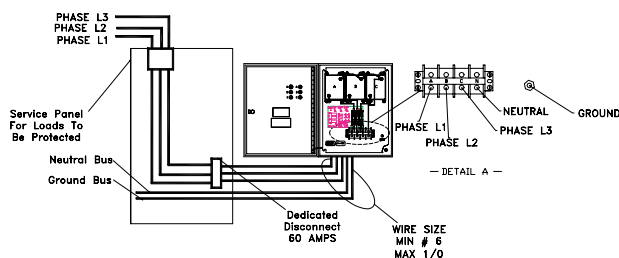


## Configurations & Specifications

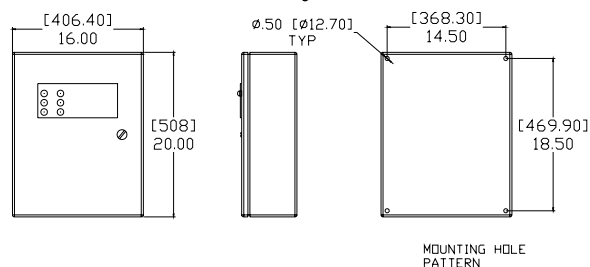
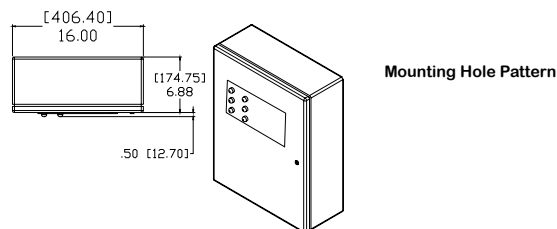
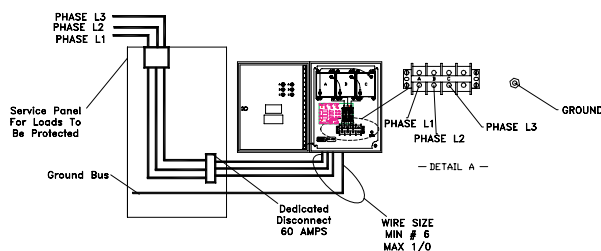
SDA Model	SDA 10K 277W	SDA 10K 480D
<b>Nominal Service Voltages</b>	277/480V	480V
<b>Voltage Protection Levels*</b>	1200V	1200V
<b>Surge Current Ratings**</b>	≥ 20kV 10kA	≥ 20kV 10kA
<b>IEEE Location Category &amp; Exposure Rating**</b>	C3	C3
<b>Part Number</b>	1101-429	1101-438

\* Voltage protection level determined at 6kV 500A.  
\*\* Waveform, location category and exposure rating per IEEE/ANSI C62.41-1991.

Wiring Configurations SDA 277 5K and 10K



Wiring Configuration for SDA 480 5k and 10k



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An ISO 9001:2000 and 14001 Certified Company

**TRANSTECTOR**<sup>®</sup>  
SUPERIOR SURGE SUPPRESSION