



The **TRANS-TRAP** is a 12-stage (6 line side and 6 load side) surge arrestor for analog signal loop applications requiring maximum lightning and transient power surge protection. A unique 6 stage-per-conductor circuit traps and diverts the majority of transients allowing self-restoration of the process signal.

In the event of extremely high transients, replaceable components disrupt and isolate damaging surges from critical control components, thus maintaining the integrity of the control system. Independently reacting line-to-ground discharge components and series dampening circuits are configured to provide these unique 6 stages of protection:

- » Triple spark gap dissipater provides high transient line-line and line-ground current diversion.
- » Dual input current limiting fast blow fusing provides input circuitry protection.
- » Primary stage trap coil provides transient surge dampening.
- » Surge limiting provides line-ground current diversion.
- » Secondary stage series control element provides in-line surge dampening.
- » Final stage energy absorption and voltage clamp.

Call us and see for yourself how Tesco Controls can make a difference on your next project.

TRANS-TRAP 12-Stage Lightning/Surge Arrestor

SPECIFICATIONS

Operating Voltage	Model TT-12
Operating Current	24V, 50V, 100V, 150V
Impedance	< 1 Ohm
Temperature Range	0 to 200 degrees F
Interface	2-wire analog current or voltage signal

Features

- » Less than 5 nanosecond response time
- » Low insertion loss
- » 500 Joules energy handling capability
- » Class AAA
 - » Fuses
 - » MOVs
 - » TVS Diodes
 - » Dual Spark Gaps
 - » Inductors

Benefits

- » Improves system reliability
- » Controls repair costs due to transients
- » Protects critical components
- » Cost effective protection

Benefits

- » Instrument signals in control panels
- » Data communication