

# TP-110

The Calsense Transient Surge Arrestor, model TP-110, provides protection against damaging transients and surges for the 120-VAC electrical service line feeding the controller.

The TP-110 is used in addition to the CS3000's backplane to provide increased protection against voltage transients on the power supply lines. The TP-110 is UL® Listed to UL 1449 Edition 4 and complies with ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C standards.

transient surge arrestor





# technical specifications

#### dimensions

Height: 2.75"Width: 4.75"

• Depth: 3.0"

## mounting:

Bulkhead

# environmental:

• Operating Temperature: -40° to 80°C (-40° to 176°F)

### certifications:

• Safety: UL 1449 Edition 4 Type 1/2, 20 kA Mode

### warranty

• 5-year limited warranty

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