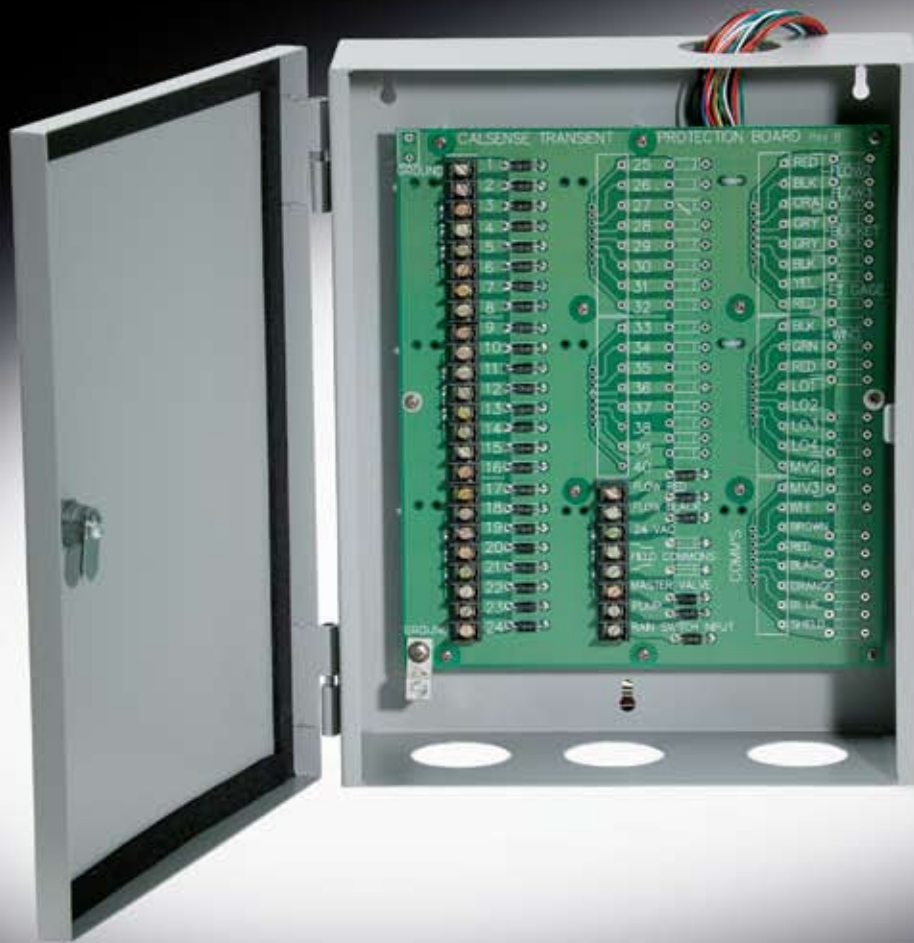


A C C E S S O R I E S

T P 1

Transient Protection



Calsense is the premier resource for quality irrigation controllers, water saving accessories, and advanced management software. With nearly two decades of experience, our focus is on water conservation, labor savings and irrigation control. We're committed to providing our customers with powerful water management that works and is easy to use.

 **CALSENSE**®

making water work
since 1986

TP-1

ACCESSORIES

The Calsense TP-1 Transient Protection Board is designed for protection of 24 VAC wire circuits between any Calsense controller and the field valves, sensors, and other devices.

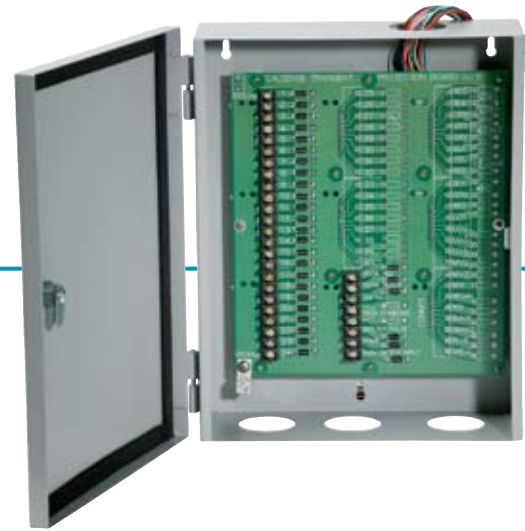
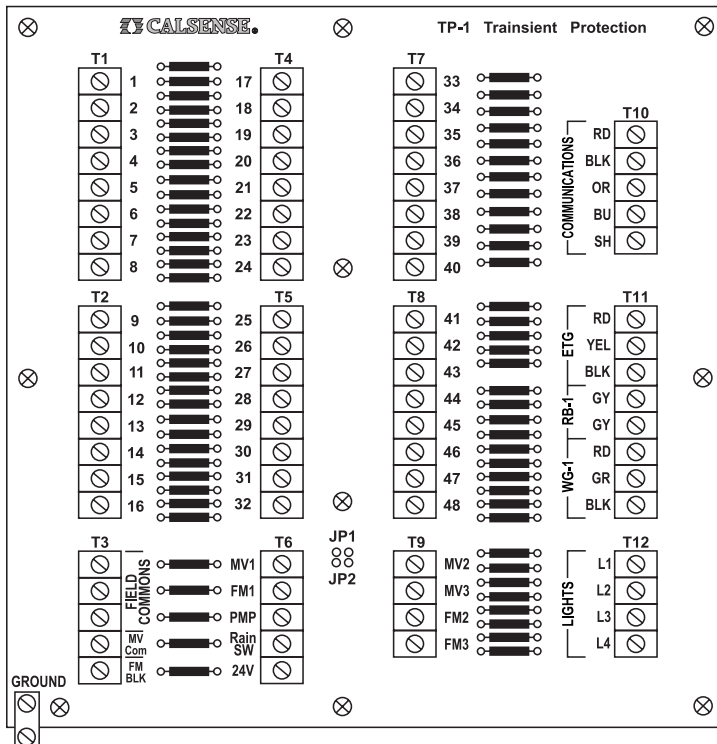
DESCRIPTION

The Calsense TP-1 Transient Protection Board utilizes a bidirectional transient voltage suppressor. This device provides increased protection against high voltage, high-energy transients on the 24 VAC field side of the controller. The Transient Protection Board protects against these transient surges by using transorbs, a solid-state device that directs or switches the incoming transient away from the controller to a ground rod. Outdoor installation requires a weatherproof TPB Box.

FEATURES

- Easy terminal connections for field wiring.
- Factory labeled screw terminals.
- Factory soldered wiring harness with quick disconnect ends for connection to Calsense controllers.

Note: When ordering the TP-1, specify number of stations and options.



TECHNICAL SPECIFICATIONS

Voltage Rating: 62 VAC Max.
Response Time: < 1 nanosecond
Peak Power: 1500 watts
Forward Surge Current: 200 Amps for 8.3 milliseconds

Operating Temperature: -65°C to +175°C
Board Material: Layered fiberglass
TP-1 Dimensions: 9.5"H x 10.75"W

TPB Box

Dimensions: 14"H x 11.5"W x 4"D
Material: 16 gauge Stainless Steel Grey Powder

MODEL NUMBERS

TP-1: Calsense Transient Protection Board
TPB: Calsense Transient Protection Box

Note: All Calsense controllers require one 5/8" x 8' copper ground rod. Transient protection is only as good as the ground rod installed.