

Section 1

General Description

The TCPS Isolation Module Series (comprised of models TCPS-170, TCPS-NEMA and TCPS-IRM) are used to interface MS SEDCO's TC-Series of vehicle and pedestrian sensors with traffic control computers and protect the TC-Series sensors from potential damage caused by power problems inherent to intersections.

Model **TCPS-170** offers a single channel isolation input to 170, 179 and 2070 type controllers, configuring one 12V AC power output capable of operating up to two TC-Series sensors.

Model **TCPS-NEMA** offers a dual channel isolation input to NEMA Rack type controllers, configuring two 12V AC power outputs for operating up to two TC-Series sensors.

Model **TCPS-IRM** offers a single channel isolation input to NEMA Shelf type controllers, configuring one 24V AC power output for operating one TC-Series sensor.

Section 2

Basic Installation

1. The TCPS-IRM is a single channel isolation module with a single output to interface TC-Series sensors with NEMA Shelf type traffic control computers.
2. The TCPS-IRM supplies enough power for one TC-Series sensor.
3. Drill four holes in the plastic mounting plate in the desired location and attach the TCPS-IRM inside the cabinet.
4. Attach the wires from the TC-Series sensor to Terminal Block TB1 per Figure 1 below.
5. Attach 110V AC power to the power input Terminal Block per Figure 1 below.

FIGURE 1

TRANSFORMER

RATING: 120V AC/60Hz In
24V AC Out
1 Amp

RELAY RATING: Coil = 24V AC
Contacts = 115V, 15

