

Description

APT Series transducers are intended to monitor KW consumption of three phase motors. They provide an analog signal proportional to the true power consumed by the monitored load and are intended for application on balanced three phase loads.

Wiring

Current Sensing:

Determine the type of electrical load you are monitoring. The APT is typically used to monitor total power on a balanced 3-phase load but may also be used in certain single-phase applications (consult factory). CT inputs must be 0-5A or 0-333mV (model dependent, see ordering information) full-scale. Ensuring monitored load is off, place conductor through aperture in split-core CT and mount CT to back plane of control panel (or other suitable structure) using integral mounting feet. Be sure to observe all notes on polarity. Connect CT to appropriate terminals on KW transducer using 12-22 AWG copper conductors. Tighten terminals to 4.5 in-lb torque.

Voltage Connection:

Ensure the voltage of the system you are monitoring and rated voltage for APT transducer match. Connect voltage directly to terminal blocks on APT transducer as indicated on the wiring diagram to the right. Add fuses if required by local code (fuses not included). Use code approved splice materials and techniques.

Power Supply and Output Connection:

Connect output wiring to supervisory or other controller. Connect power supply to transducer as shown in wiring diagram. Green Power LED should illuminate to indicate power is supplied to unit. Energize load to confirm KW transducer is sensing current/voltage and outputs correct voltage signal proportional to KW being sensed.

Wiring Schematic Diagram

