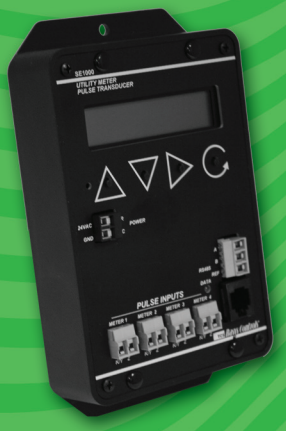
Submittal Data

TCS Basys Controls®



SE1000

Utility Pulse Meter Reader

SUPERTROL™ Communicating Controls

Description

The SE1000 is a microprocessor-based pulse monitoring interface designed to monitor up to four pulse inputs.

The SE1000 features:

- Stand-alone or network operation
- Independently programmable inputs
- 32 character LCD display
- Four pulse inputs

Specifications

General

Accuracy: +/- 0.5%
Programming: EIA RS485 interface
Display: 32 character LCD
Communications: RS485, half duplex
Memory backup: Non-volatile EEPROM, no battery required

Environmental

Operating temperature: 32 to 131°F (0 to 55°C)
Operating humidity: 0 to 100% RH, non-condensing
Storage temperature: 14 to 140°F (-10 to 60°C)

Electrical

Supply voltage: 24 VAC +/- 20%
Inputs: Four Pulse (dry contact)
Common mode rejection: 100 db @ 60 Hz
Power Consumption: 5 VA max.

Specifications subject to change without notice.

Specification Suggestions

Utility meter pulse transducers shall be microprocessor based with suitable points to perform utility meter ready functions.

The RS485 communications jack shall be accessible, without requiring the removal of the housing. Utility meter palse transducer interface must support non-volatile memory, so that in the event of power loss, all programmed operating parameters shall be unaffected without the use of battery backup. All functions shall continue in the event of a communications failure.

Utility meter pulse transducers shall provide both remote and local communications in accordance with EIA RS485 standards. All firmware communications protocol and command codes shall be published, open and non-proprietary. Utlity meter pulse transducer shall be model SE1000 as manufactured by TCS Basys Controls.

Ordering Information

Part #	**Description**
SE1000	Utility Pulse Meter Reader

Dimensions

Note: inches [mm]

SE1000