



# Sentry 2430 Totalizer

The Sentry 2430 is a microprocessor based totalizer with tremendous programming capabilities and numerous software options available.

All programming for the Sentry 2430 is accomplished through the use of two push buttons located on the inside door panel. Programmable variables include: Interval length, sub-interval length, Number and type of meter inputs, Input debounce time, Output pulse spacing, and Demand lockout reset days.

With other versions of software, the user can calculate kVA using real and reactive inputs, provide the date and time maximum demand, and various other options as listed in the software versions below.

The Sentry 2430 has been approved by the Canadian Consumer and Corporate Affairs Department, approval # E-245.

## Standard Features

- 4 Form A or 2 Form C meter inputs
- 16 Character LCD dot matrix display
- 2 Form C mercury wetted relay outputs
- Primary and Secondary Display modes
- Synchronization of End of Interval with external device
- On-site programming through the use of two pushbuttons located on door panel
- Additive and Subtractive inputs

## Optional Features

- Date and Time of maximum demand
- KVA Calculation with real and reactive meter inputs
- Key lock demand reset capabilities

## Power Requirements

- Voltage: 120/240 VAC +/-20%  
AC input fuse (.25 amps slow-blow)
- Frequency: 60 Hz +/-2 Hz
- Burden: Less than 5 VA

## Meter Inputs

- Number of Inputs: 4 Form A or 2 Form C
- Input Scale Factors: +/- 0.01 Watthours to 99.99999 kWh/pulse per channel. Each channel may have a unique scaling factor.
- Input Debounce: 32.333 ms to 399.984 ms in 16.666 ms increments
- Pulse Rate: 10 pulses per second on each channel



## Pulsed Outputs

- Number of Outputs: 2 Form C mercury wetted relays for totalized outputs and 1 Form A output for End of Interval output pulses
- Output Current Rating: 500 milliamps fused  
*This fuse current rating may not be appropriate for the load current rating of your device.*
- Output Pulse Spacing: 100 ms to 1000 ms in 100 ms increments

## Interval Lengths

- Programmable: 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30 and 60 minute intervals.
- Sub-intervals: Up to 6 sub-intervals

## Environmental & Mechanical

- Temperature: -40 to +85° Celsius
- Humidity: 5 to 95% non-condensing
- Enclosure: NEMA 3R aluminum
- Dimensions: 7.38" W x 9.25" H x 3.25"D

## Software Features

Version	Description
50010005	Standard software
50011100	Pulse Count/ Standard
50011200	KQ/ KW/ Pulse Count
50010501	Pulse Count
50010301	KVAR/ KW
50010901	KVAR/ KW/ Display Divisor
50010401	Pulse Count Multiplier
50010201	Date & Time KW
50010601	30 Second Demand Interval
50010701	Date & Time MW
50010801	Standard with MW Displays
50011400	Calculate KVA with KW &KVAR or KW & KQ

Austin International accepts no responsibility for equipment damage or improper system operation caused by the use of output or input fuses that are of inappropriate size