



Modem

SENTINEL®

The internal modem provides telephone communication for remote data retrieval and remote programming of the SENTINEL Multimeasurement meter using PSEM C12.21 standard protocol. The optional 300/1200/2400 baud-sensing internal modem provides telephone communication allowing remote access to the SENTINEL meter. The SENTINEL modem supports the CCITT v.22 bis 2400 telephone communication standard for initiating and receiving phone calls.

FEATURES

Key Features

- » Phone line sharing
- » Call windows
- » Answer delays
- » Phone home on event
- » Off-hook detection
- » Five optional input/output boards:
 - One Form C KYZ output and one Form A low-current, solid-state contact output
 - Two Form C KYZ outputs and one Form A low-current, solid-state contact output

- Two Form C KYZ outputs, one Form A low current, solid-state contact output, and two Form A KY pulse inputs
- Four Form C KYZ outputs and one Form A low-current, solid-state contact output
- Four Form C KYZ outputs, one Form A low current, solid-state contact output, and two Form A KY pulse inputs
- » Cable options:
 - Standard RJ-11 through meter base
 - Optional phone-line-through-the-cover RJ-11

Product Availability

- » Socket-base, A-base, or Switchboard base configurations

Reference Information

- » SENTINEL Meter Technical Reference Guide
- » SENTINEL Meter Overview Brochure
- » SENTINEL Meter Specification Sheet
- » Order Specification Form
- » SENTINEL Modem Retrofit Installation Sheet
- » Site Analysis Guide
- » Product Information Letters (PILs)

SPECIFICATIONS

Dimensions

Polycarbonate				
A	B	C	D	E
6.95"	6.31"	5.46"	6.00"	7.30"
17.65 cm	16.03 cm	13.87 cm	15.24 cm	18.54 cm

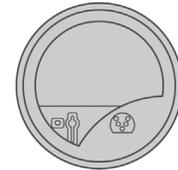
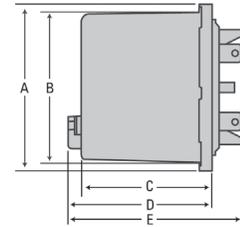
Specifications

Power Requirements	Voltage Rating: -20% to +10% of nominal voltage (1 or 3 phase) Operating Range: 45 to 65 Hz	Operating Voltage: ±20% Frequency: 50-60 Hz	
Load Profile/TOU Battery	Voltage: 3.6 V nominal Operating Range: 3.4 V- 3.8 V	Carryover: 12 years minimum Shelf Life: 25 years minimum	
Time	Line Sync: Power line frequency Crystal Sync: ±0.003% @ 25°C; ±0.02% over full temperature range		
Operating Environment	Temperature: Humidity:	Meter: -40° to +85°C Modem: 0° to +70°C 0% to 95% non-condensing	
Transient / Surge Suppression	ANSI C37.90.1-2002 ANSI C62.41-2002	FCC Part 68, Class B ANSI C12.21-1999	
Accuracy	ANSI C12.20: 2002 for class 0.2 meters		
Characteristic Data	Starting Current: 0.005 amps (Class 20)	0.050 amps (Class 200)	0.080 amps (Class 320)

Shipping Weights

Polycarbonate		
	Pounds	Kilograms
4 Meter Cartons	20.2 lbs	9.2 kg
1 Socket Base	7.5 lbs	3.4 kg

Dimensions



At Itron, we're dedicated to delivering end-to-end smart grid and smart distribution solutions to electric, gas and water utilities around the globe. Our company is the world's leading provider of smart metering, data collection and utility software systems, with over 8,000 utilities worldwide relying on our technology to optimize the delivery and use of energy and water.

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