

Outdoor Model (R Suffix)



Made in USA



Indoor Model



Integrated Metering Systems, Inc.

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Series 1000

1 Phase 2 Wire, Submeters

Features

Measures kWh & Demand (optional). These meters conform to all applicable standards of ANSI C12.1 and ANSI C12.20 (0.5) Codes for Electricity Metering.

Equipped with an RS-485 serial data port for automated meter reading.

Utilizes revenue grade 0.3 accuracy class 0.1A secondary solid core current transformers (CTs) that conform to all applicable ANSI requirements or 1% accuracy split-core CTs. Up to 3 sets of CTs per phase can be paralleled.

Model	Phases	# Wires	Voltage	Current Ratings
BL2120X00	1	2	120V	100A-800A
BL2277X00	1	2	277V	100A-800A

All models have the option of indoor or outdoor and packages can be ordered with solid or split core CT's *

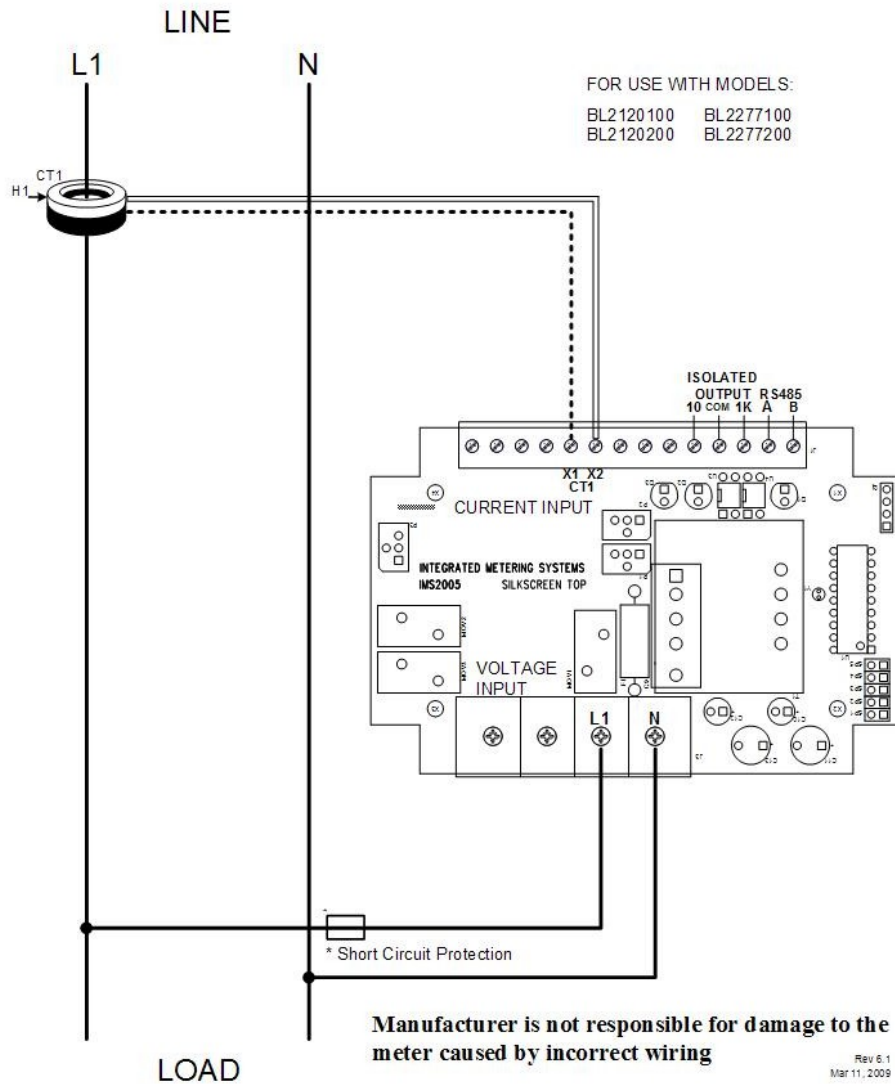
Ten-Year Warranty

Metering Excellence Since 1989



INTEGRATED METERING SYSTEMS, INC.

Single Element Series 1000 Hookup Diagram



IMS recommends solid core transformers (CT's) for revenue grade billing. Our 100A & 200A color coded CT's (to the right) assist with correct installation by indicating phase monitored. Split core CT's (to the left) are also available upon request for applications where power cannot be interrupted during installation. Our 100A, 200A, and 400A split core models offer a 1% accuracy. All IMS 100A and 200A solid core and 100A, 200A, 400A split core CT's have built in open circuit protection which prevents high voltage from appearing on secondary leads if wires become disconnected while CT is under load.

Technical Specification

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Single Element Series 1000 Model Number and UPC List

Meter Model	Phases	# Wires	Voltage	Current Rating	CT Type	Environment	UPC
S1120N010101100	1	2	120V	100A	Solid Core	Indoor	 8 37654 74600 4
S1120R010101100	1	2	120V	100A	Solid Core	Outdoor	 8 37654 74619 6
S1120N010102100	1	2	120V	200A	Solid Core	Indoor	 8 37654 74602 8
S1120R010102100	1	2	120V	200A	Solid Core	Outdoor	 8 37654 74621 9
S1277N010101100	1	2	277V	100A	Solid Core	Indoor	 8 37654 74604 2
S1277R010101100	1	2	277V	100A	Solid Core	Outdoor	 8 37654 74623 3
S1277N010102100	1	2	277V	200A	Solid Core	Indoor	 8 37654 74605 9
S1277R010102100	1	2	277V	200A	Solid Core	Outdoor	 8 37654 74624 0



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Meter Model	Phases	# Wires	Voltage	Current Rating	CT Type	Environment	UPC
S1120N010101100	1	2	120V	100A	Split Core	Indoor	 8 37654 74638 7
S1120R010101100	1	2	120V	100A	Split Core	Outdoor	 8 37654 74657 8
S1120N010102100	1	2	120V	200A	Split Core	Indoor	 8 37654 74640 0
S1120R010102100	1	2	120V	200A	Split Core	Outdoor	 8 37654 74659 2
S1277N010101100	1	2	277V	100A	Split Core	Indoor	 8 37654 74642 4
S1277R010101100	1	2	277V	100A	Split Core	Outdoor	 8 37654 74661 5
S1277N010102100	1	2	277V	200A	Split Core	Indoor	 8 37654 74643 1
S1277R010102100	1	2	244V	200A	Split Core	Outdoor	 8 37654 74662 2