

The Benefits of a Solid-State Electricity Meter

- Reliable, Accurate Metering
- Cost-Effective
- Convenient
- Easy To Install

Features

- Easy installation
- UL listed, complies with FCC rules and regulations
- Automatic CT wiring alerts.
- Sealable
- Nonvolatile memory - no battery required
- Models compatible with most 0.1A current transformers, including split core types
- Readout: LCD display on face of meter; 6-digit dials, backlighted
- Easy to use multipliers - same for kWh and kW

Accurate, Reliable Solid-State Technology

The Intellimeter AP Register is a convenient, cost-effective, solid-state demand meter that measures and records electrical energy usage in tenant monitoring applications such as commercial buildings, high rises, shopping malls, campuses and other multiple point operations. The AP Register provides accurate and reliable information to help you manage electricity expenses.

The AP Register has a local backlit display for on-site reading and is equipped with a 1:1 kWh pulse output for AMR or remote reading by an energy management system.

Easy to Install and Use

The AP Register is easily installed next to the electrical lines supplying the load to be measured. Tap into the voltage, install the solid or split-core current transformers around the wires carrying current to the load and the job is complete. No rewiring or meter sockets are necessary and you can install the AP Register without interrupting service to the rest of the building. AP Register models are available for use with low-cost 0.1 Amp output current transformers. The AP Register will detect and provide alerts on the display if CTs are installed backwards.

Flexible and Convenient

The AP Register is factory set to measure the kWh consumption and Peak kW Demand. You may select the demand interval programmed at the factory according to your needs by having a demand reset switch installed.

MODEL SELECTION

ELECTRICAL SERVICE	SINGLE-MODEL	DUAL MODEL
120V, 1PH, 2W	AP-120/D	ABP-120/D
120/240V 1PH, 3W	AP-120/D	ABP-120/D
120/208V 3PH, 4W (Wye)	AP-120/D	ABP-120/D
277/480V 3PH, 4W (Wye)	AP-277/D	ABP-277/D
120/208V 3PH, 3W(Delta)	AP-208/D	ABP-208/D
277/480V 3PH, 3W(Delta)	AP-480/D	ABP-480/D

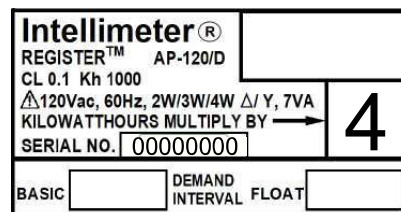


SPECIFICATIONS

Power Factor	Accurate at any
Temperature	-20°C to +50°C
Humidity	0-95%, non-condensing
Accuracy	Exceeds ANSI C12.1
Memory	Nonvolatile EEPROM
Burdens	7VA max overall, 0.1VA current circuit
Approvals	UL/CUL
Enclosure Dimensions	8"W x 10"H x 3"D
Readout	LCD (Backlit)
Current Transformers	0.1A secondary
Options	Demand Reset switch and programming.

Sample Readout

This sample shows how easy and straight-forward the AP Register's LCD display is to read.

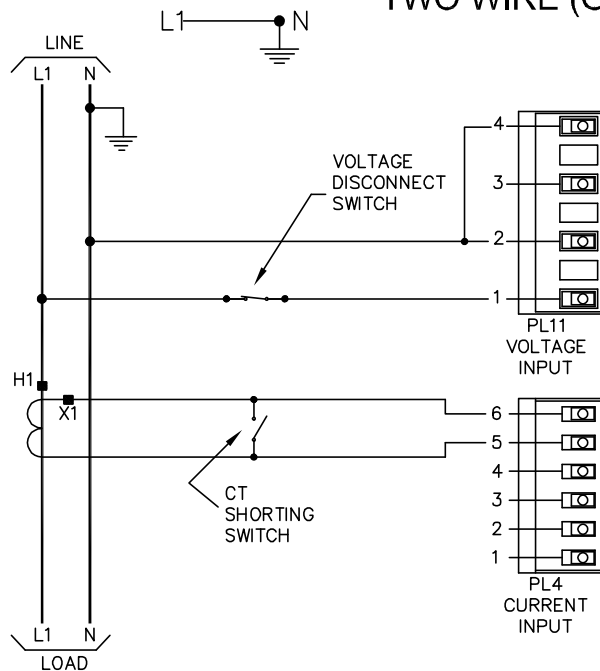


203	This month's reading
- 22	Last month's reading
181	Tenant's consumption
181	Tenant's consumption
x 4	Multiplier
724	kWh
724	kWh
x 0.11203	Cost per kWh
\$81.11	Tenant's bill

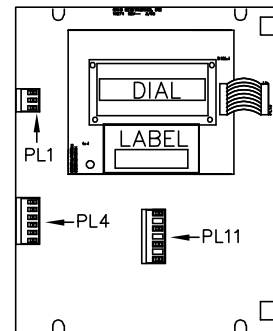
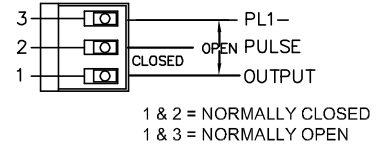
Visit Us On The Web
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CASE DIMENSIONS & CONNECTIONS

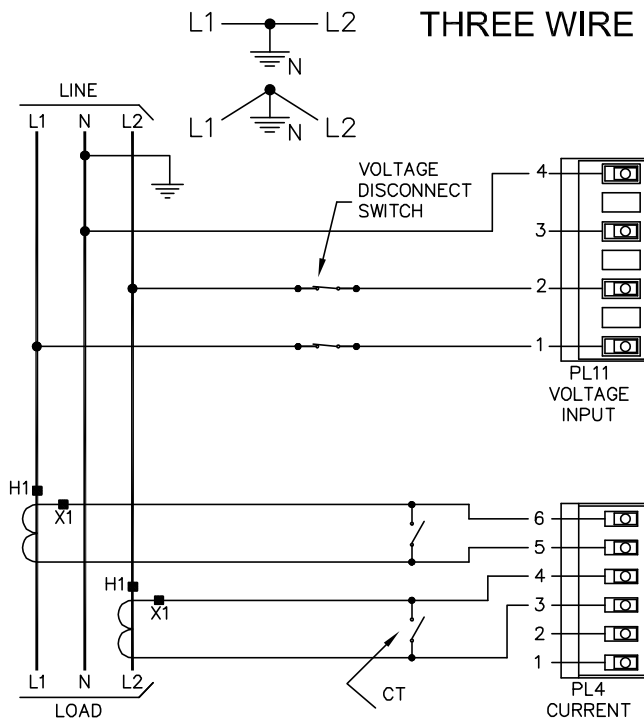
TWO WIRE (GROUNDED)



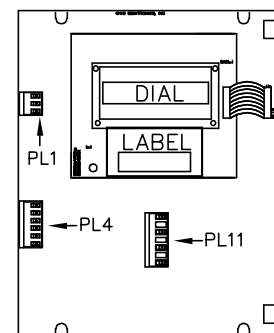
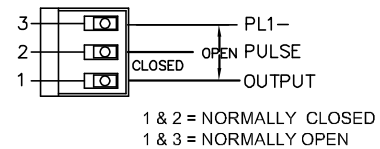
ELECTRICAL SERVICE	METER
1PH 2W 120Vac	AP-120/D
1PH 2W 120Vac	ABP-120/D



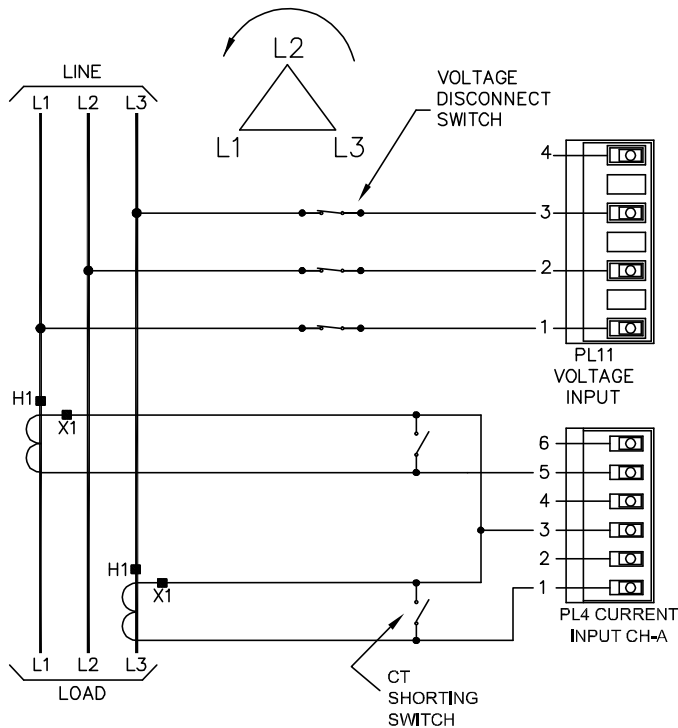
THREE WIRE (GROUNDED)



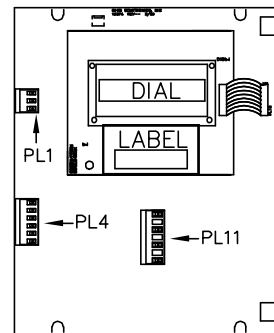
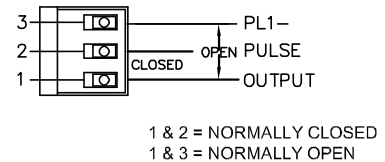
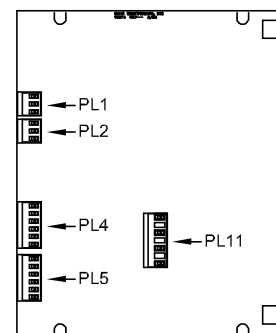
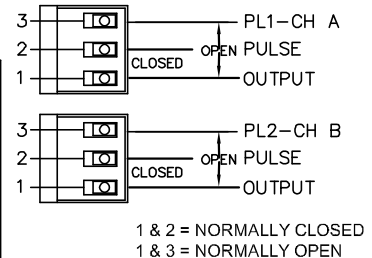
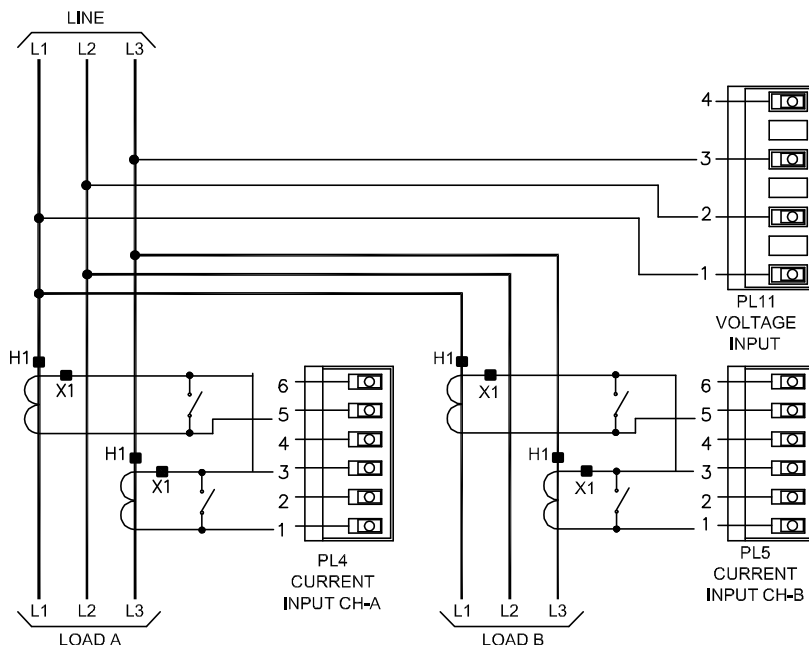
ELECTRICAL SERVICE	METER
1PH 3W 120/240Vac	AP-120/D
1PH 3W 120/240Vac	ABP-120/D



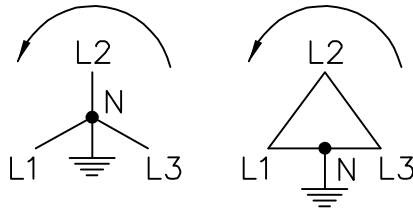
0902-01055-A Rev-C

CASE DIMENSIONS & CONNECTIONS
THREE WIRE (UNGROUND)


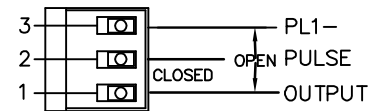
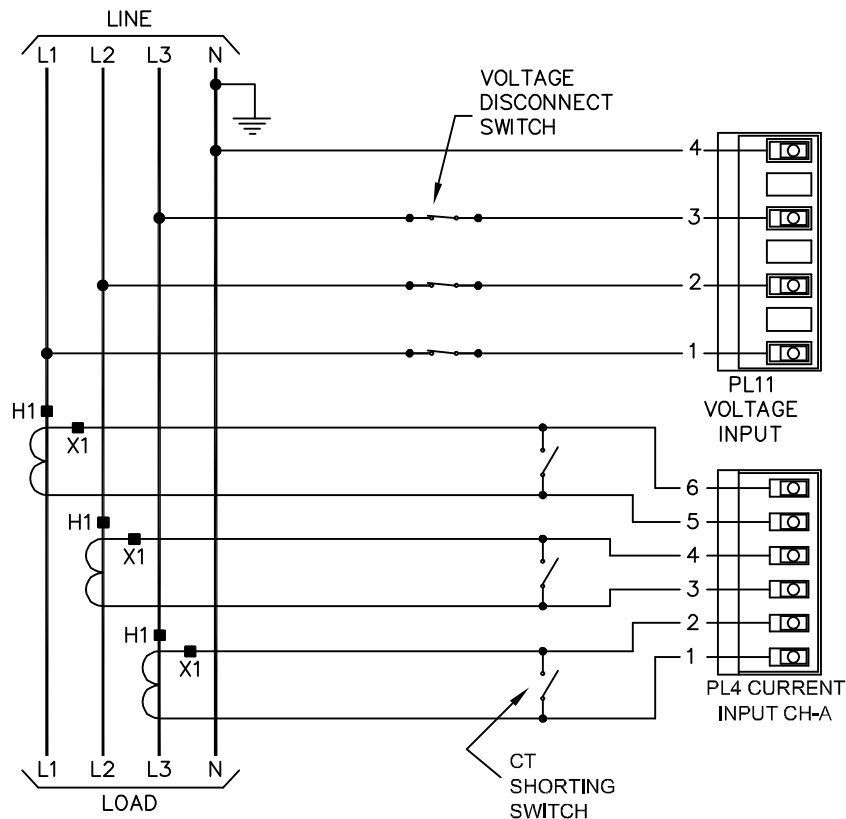
ELECTRICAL SERVICE	METER
3PH 3W 208Vac	AP-208/D
3PH 3W 208Vac	ABP-208/D
3PH 3W 480Vac	AP-480/D
3PH 3W 480Vac	ABP-480/D


TWO-LOAD METERING
AP/ABP-XXX/D
208/480V 3PH 3W


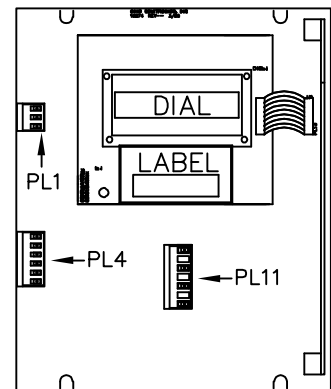
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CASE DIMENSIONS & CONNECTIONS
FOUR WIRE


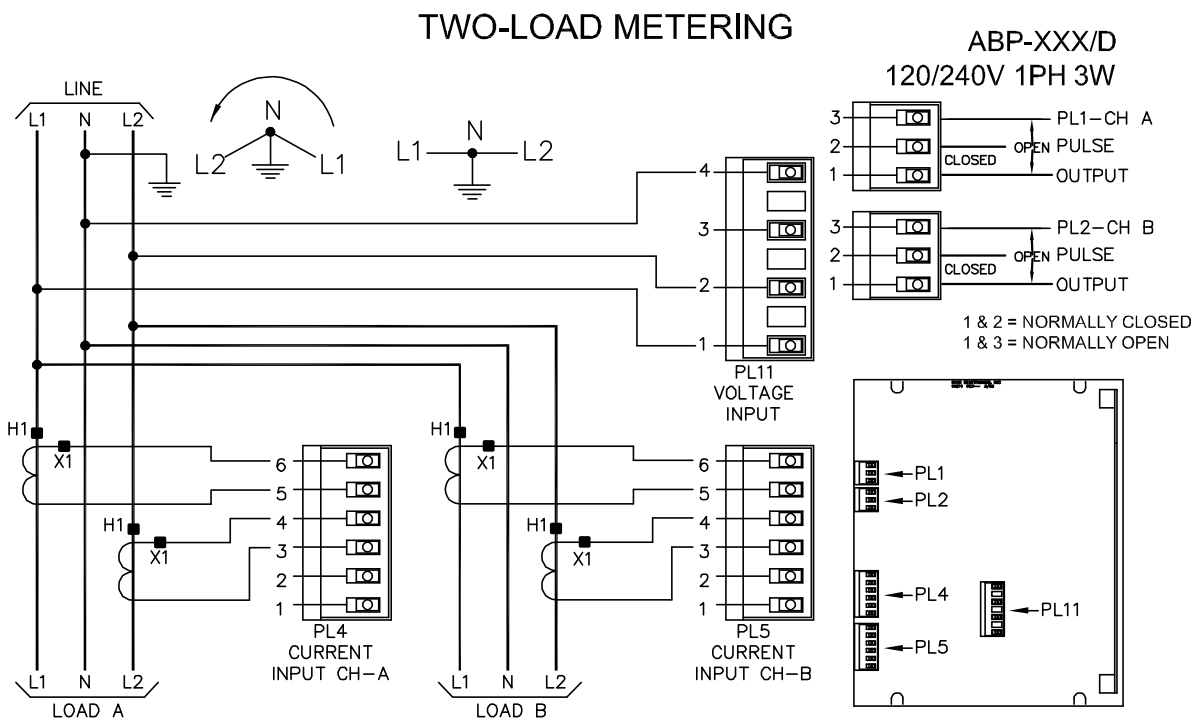
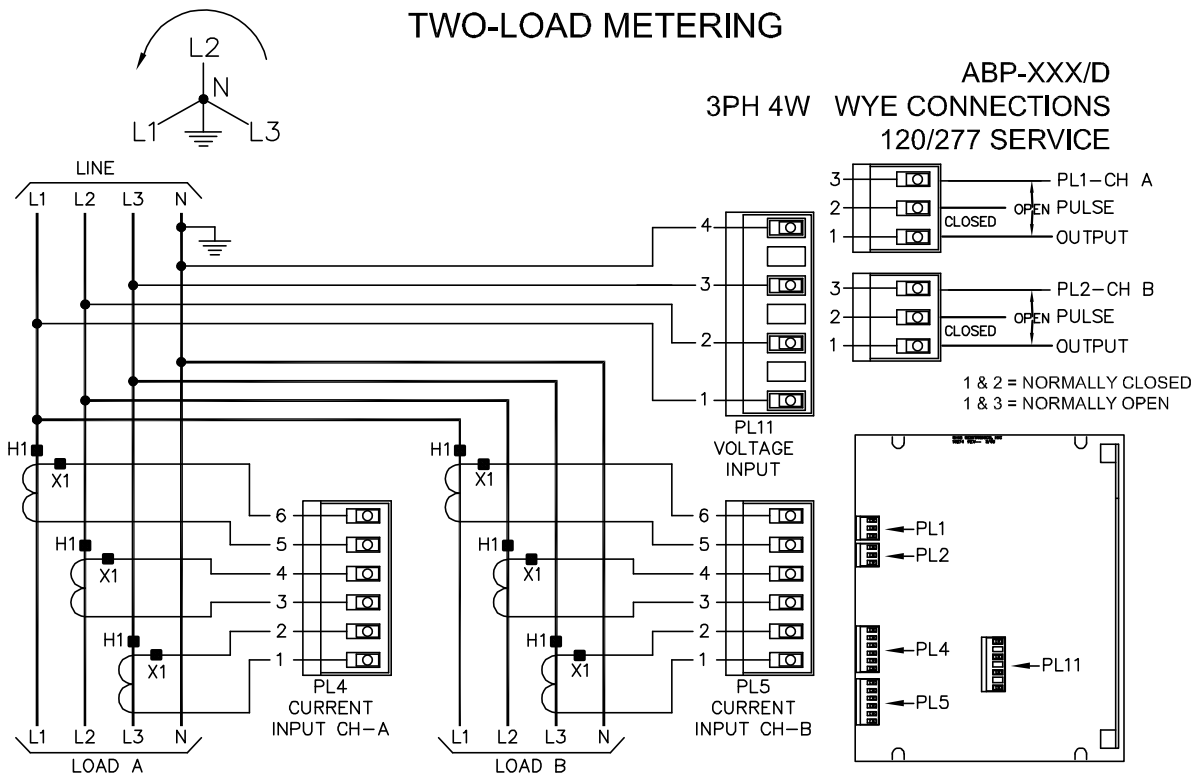
ELECTRICAL SERVICE	METER
3PH 4W 120/208Vac	AP-120/D
3PH 4W 120/208Vac	ABP-120/D
3PH 4W 277/480Vac	AP-277/D
3PH 4W 277/480Vac	ABP-277/D



1 & 2 = NORMALLY CLOSED
1 & 3 = NORMALLY OPEN



0902-01055-A Rev-C

CASE DIMENSIONS & CONNECTIONS


0902-01055-A Rev-C