



Meter Base Identification

Meter Bases

General

This document identifies what meter bases meet, and do not meet, Idaho Power's requirements. All meter bases must be approved by Idaho Power:

- ◆ "Safety Socket Test Bypass" are the only link bypass meter bases approved.
- ◆ Lever bypass meter bases are not approved.
- ◆ Locking jaw non-bypass meter bases are approved for applications that do not require a "Safety Socket Test bypass" meter base.
- ◆ 400-amp bypass meter bases are not approved.
- ◆ 400-amp meter base installations must seal with one meter seal. Some ring type bases will require a cover interlock device before they are approved for installation. Check with the manufacturer before purchase.
- ◆ "Safety Socket Test Bypass" meter bases are approved for 200-amp services where voltage is less than 480-volts, but they are not required.

Additional Customer Requirements

The specific requirements for new overhead or underground services can be found on Idaho Power's website at:

<https://www.idahopower.com/accounts-service/construction-remodeling/installing-new-service/>

For help or additional information, contact Idaho Power:

- ◆ In the Boise area: **208-388-2323**
- ◆ All other areas: **800-488-6151**

Connection Requirements

Prior to Idaho Power connecting a service, all installations must meet the requirements of the *National Electrical Code* (NEC) with modifications as adopted by the Authority Having Jurisdiction at the service address and display the proper electrical permit. To avoid a return trip charge and a delay in service, make sure the installation has passed the required electrical inspections before requesting permanent service.

ATTENTION! *Idaho Power cannot energize a new service or re-energize a disconnected service until it has passed an electrical inspection.*

Meter Base Identification

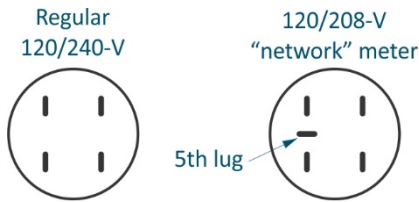
Meter Base Installation

Install meter bases per the manufacturer's instructions. For self-contained meter bases (400 amps and less), the customer's wiring is connected to the bottom or "load" terminal lugs in the base.

Service Voltages

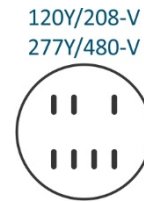
Single-phase (1-Ø): 120/240-volt
240/480-volt
120/208-volt ("network")

Three-phase (3-Ø): 120/208-volt
277/480-volt
120/240-volt (see note)
240/480-volt (see note)



**1-Ø Self-contained Meter
Lug Arrangements**

NOTE. Single-phase, 120/208-volt services require a "network" meter with a 5th lug.



**3-Ø Self-contained Meter
Lug Arrangement**

NOTE. Three-phase, 120/240-volt and 240/480-volt services are for maintenance only and are not available for new construction, except for some specific applications that must be approved in advance by Idaho Power.

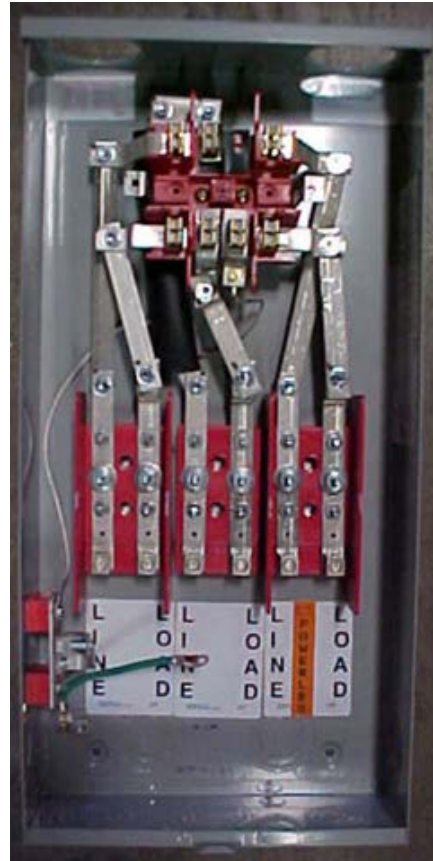
Meter Base Identification

Accepted Meter Bases

480-Volt, 3-Ø, 100- or 200- Amp Meter Base. EUSERC-approved with “Safety Socket Test Bypass” meter bases are required on all newly installed 480-volt services up to 200-amps. The dimensions of the base and conductor/wire range in the 100- and 200-amp bases are the only physical differences between the two.

All 277/480-volt services, above 200-amp, will be metered with instrument (CT) transformers.

No. of Term.	Type of Service	Connectors Cu/Al Line & Load	Dimensions D" × W" × H"
100 Amp			
7	OH/UG	#6-1/0	4-5/8"×12"×25"
200 Amp			
7	OH/UG	#1/0-250 kcmil	6"×14"×30"



208-Volt, 3-Ø, 100- or 200-Amp Meter Base. EUSERC-approved with or without “Safety Socket Test Bypass” meter bases are accepted on all newly installed 208-volt services up to 200 amps.

All 120/208-volt services, above 200-amp, will be metered with instrument (CT) transformers.



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120/240-Volt, 1-Ø, 320-Amp Meter Base with 2-200 Amp Breakers.

Locking jaw non-bypass meter bases are approved for applications that do not require a "Safety Socket Test bypass" meter base.

All 120/240-volt services, above 400-amp, will be metered with instrument (CT) transformers.

No. of Term.	Type of Service	Connectors Cu/Al Line & Load	Dimensions D" x W" x H"
320 Amp			
4	OH/UG	#1/0-250 kcmil	5" x 15" x 42-1/2"



480-Volt, 1-Ø, 100- or 200-Amp Meter Base. EUSERC-approved with "Safety Socket Test Bypass" meter bases are required on all newly installed 480-volt services up to 200-amps.

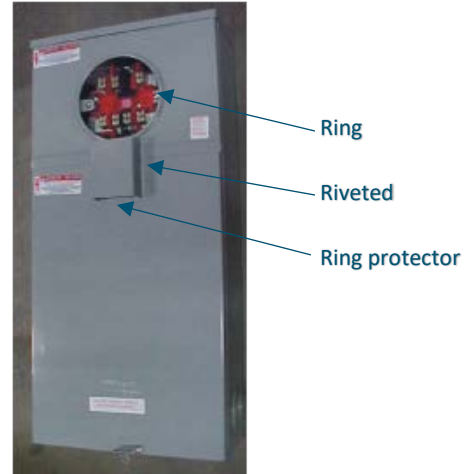
All 240/480-volt services, above 200-amps, will be metered with instrument (CT) transformers.

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Meter Base Enclosures

These meter bases must have an interlocking device, a screw-type meter ring, and be capable of being sealed by Idaho Power.

All **480-Volt, 3- ϕ , 100- or 200-Amp “Safety Socket Test Bypass”** meter bases must seal with one meter seal. Some ring type bases will require a cover interlock device before they are approved for installation. Check with the manufacturer before purchase.



All **120/208-Volt, 3- ϕ , 100- or 200-Amp** meter bases must seal with one meter seal. Some ring type bases will require a cover interlock device before they are approved for installation. Check with the manufacturer before purchase.



All **120/240-Volt, 1- ϕ , 320-Amp** meter bases must seal with one meter seal and accept 3-inch conduit. Some ring type bases will require a cover interlock device before they are approved for installation. These meter bases must not have a link bypass or a lever bypass. Locking jaws are acceptable. Check with the manufacturer before purchase.



Note. *Any other configurations not mentioned in this document shall be addressed by Idaho Power’s Meter Department.*

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Revision History

REVISION	DATE	DESCRIPTION
0	03/15/2020	Reformatted document.