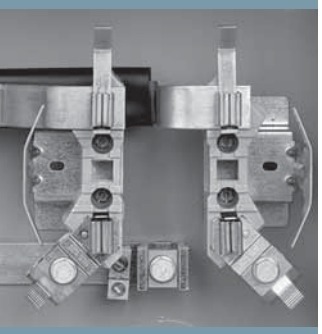
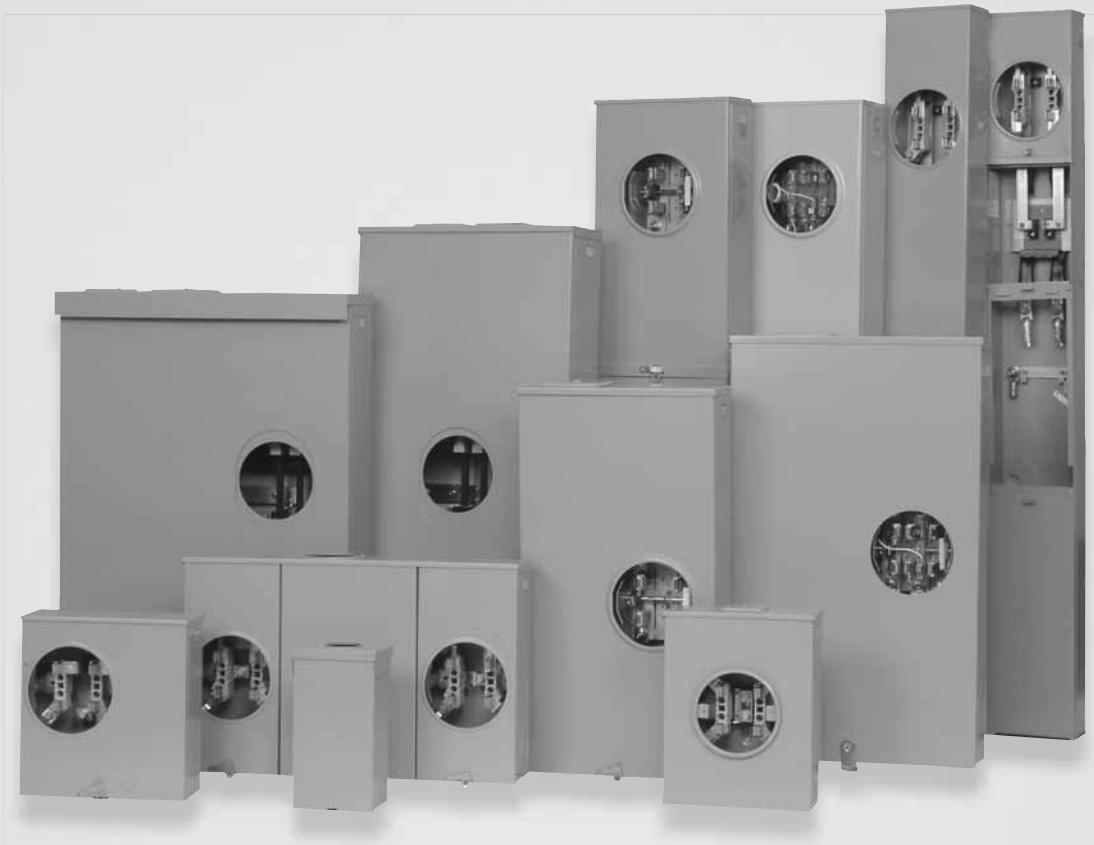


Selection and application guide

For use in Ohio



Meter Mounting Equipment

www.landisandgyr.com

Meter Mounting Equipment

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Represented by:

Hawkins Sales of Ohio
1355 Valley Belt Road
Brooklyn Heights, OH 44131
Phone: (216) 351-0074
Fax: (216) 351-0001

Cincinnatti office:
1054 Monroe Road #201
Lebanon, Ohio 45036
Phone: (513) 228-1505
Fax: (513) 228-1512

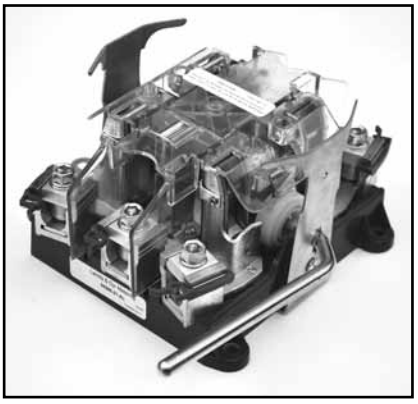
Meter Mounting Equipment

The standard for quality

For more than 50 years, Landis & Gyr has been manufacturing high quality meter mounting devices. From our proprietary K-Base to our heavy duty HQ lever bypass socket, Landis & Gyr is known throughout the industry for innovation and quality.

Landis & Gyr meter sockets are built for safety, ease of installation, and long term quality. That's why we use stainless steel hardware, polyester powder coat paint for long lasting protection, and Type G-90 galvanized steel or 3003 grade aluminum for all of our enclosures. It's also why we use an all-copper current path in our commercial sockets. All of this adds up to why utilities, OEM's, and contractors recognize Landis & Gyr across the country as the leader in design, quality, and workmanship. Quality is the reason many utilities and electricians specify Landis & Gyr.

Landis & Gyr- the standard for quality and design.



HQ-7 block assembly
The standard for quality.

General information

Materials:
16 gauge, galvanized steel, G-90
14 gauge, galvanized steel, G-90
14 gauge, aluminum
12 gauge, aluminum

Enclosures:
NEMA 3R

Finish:
Steel - Light gray, baked on powder polyester
Aluminum - Mill finish

Latches:
All swing latches are stainless steel

Block material:
AS/AT, MQ, HQ, K-4 and K-7 - Glass reinforced polyester

Terminals:
AS/AT - Tin-plated aluminum extrusions 6061-T6
MQ, HQ, - Tin-plated copper

Standards:
Products cataloged herein meet or exceed the following standards: UL 486B, UL 414, NEMA 250, ANSI C12.7 Florida Meter Group requirements

Voltage:
All devices are rated at 600V AC
Type K-4 rated at 300V AC



Meter Mounting Equipment

Meter socket terminology

Maximum and continuous ampacity
UL and NEMA standards allow most electrical devices to be tested at one amp level ("continuous"), then allowed 125% rating as "maximum". For example, a "400 Amp" socket may either mean 400 Amps continuous (K-4) or 400A Max, 320A continuous which is also made by most competitors.

Wire sizes - ampacity
Connectors accept a fairly wide variety of wire sizes. \On the AT socket, a 350 MCM connector accepts conductors from #6 up to 350 MCM. The NEC specifies the ampacity of each wire size and type, also taking into account how the wire is installed in conduit.

Lay-in and stud terminals
Lay-in terminals are fixed and may not be modified in the field to accept other wire sizes or parallel conductors. Stud terminals accept either lugs (see Product Schedule 497) or compression fittings (not available from Landis & Gyr). Common uses for studs include where the field wiring may be either single or parallel. Terminals may be mixed on the line and load sides, e.g. stud on the line and lay-in on the load side.

Ringless/Ring style
Ring-type is an older, vanishing concept requiring a sealing ring. Landis & Gyr recently added tooling to build this type of socket for the few remaining utilities that require them. In ringless design, the seal is made not on a sealing ring but using the cover and "swing latch" as the point of sealing.



Overhead/Underground
Sockets for UG service are usually wider in order to provide space for the conductors to loop around the block to the top connectors. Since more material is required in the enclosure, UG sockets are more expensive than OH sockets. Quite popular are combination units (OH/UG) which may be used in either service, and require a cover plate if used with UG feed.

Hubs and cover plates
Top of socket with hub opening has a flanged lip to keep out moisture. This requires a hub or cover plate to close. There are two sizes of openings: "small" for conduit hubs with sizes of 1", 1-1/4", 1-1/2", 2", and 2-1/2"; and "large" for conduit hubs with sizes 3", 3-1/2", and 4". See Product Schedule 499. Landis & Gyr hub openings conform to ANSI C12.7 specs and are interchangeable with other socket manufacturers, but are not interchangeable with panel board style hubs.

Bypass types
A self-contained meter completes the circuit between the utility and the customer. In order to change the meter, the circuit must be broken, turning off the power to the customer. This is not acceptable in commercial establishments, or in many other types of services. A bypass allows a parallel path for the current flow, unmetered, while the meter is pulled.

Types are:

a) Lever-operated jaw release, also known as jaw clamping lever bypass (Landis & Gyr type HQ). The best, because the meter cannot accidentally be pulled unless the bypass is engaged. Pulling the meter would also be a major safety hazard if there is a 480V installation and/or a large load in place, as the meter would then act as a switch, and cause arc.

b) Lever-operated non-jaw release (Landis & Gyr type MQ). Lever bypasses the meter, but the meter may be removed with the bypass open.

c) Horn bypass (option on residential sockets). Tangs on line and load connectors allow for jumper leads to be fitted over them before the meter is pulled.

d) Manual bypass (K-4, K-5, K-7) uses separate "links", which are clamped onto special studs before the meter is removed. K-7 also uses a "rotating link" type bypass.

e) Other types not made by Landis & Gyr include: slide links, screw type, and automatic circuit closers.

Meter Mounting Equipment

Q & A product sheets

Q. How can I find a missing "lug" for a (Catalog No._____) meter socket?

A. If the socket is a residential type, the customer usually needs the nut/screw assembly that clamps the wire into place in a lay-in style connector. There are different types of nut/screws. You will need to determine the catalog number of the device, and if it is to be used on the line side, load side or neutral. With a commercial device, the customer may look for a ground lug or mechanical lug for a stud type meter socket. In these cases the customer should contact a technical support person, or refer to the specification sheet for the correct lug.

The customer may mistake the number, that is stamped on the part, (e.g. "6T0350") as the catalog number. This is actually the wire size that is stamped into the nut/screw assembly for a HQ style device. "6 TO 350" refers to the wire size range of the connector.

Q. How can I find a replacement insulator, block, or porcelain/ceramic insulator?

A. First, determine the catalog number of the device. After the device has been identified you can then inquire if it is "left hand or right hand", and if it is used on a side wired device or a multi-position gang socket. On standard residential sockets, the right and left hand blocks are identical, and are mounted in a mirror image of each other.

Q. What size hub can I use on a RX or HD hub opening?

A. A RX style hub opening will accept a 1" to 2-1/2" hub. A HD style hub opening will accept a 3" to 4" hub.

Q. How can I permanently close the meter opening of my meter socket without a meter in place?

A. A round black plastic disk (Catalog No. H39968) is available. It is located between the meter socket block assembly and the meter socket cover. The cover holds the disk into place. This is used on residential and most commercial sockets that have embossed meter openings in the socket cover.

Q. What do I use to close the meter opening, and also permanently jumper the meter socket so that the end user still gets power, although unmetered?

A. For all devices with jaws, use jumper (Catalog No. H36479). Two jumpers are needed for a single phase device and three for a three phase device.

Q. What if I need an isolated neutral?

A. Some applications require the neutral connection to be isolated or insulated. Isolated neutral kits are available for MQ and HQ (Catalog No.H64685-1) and K-7 devices (Catalog No.H69685-1).

Q. What if I need a 5th jaw or 5th terminal?

A. Residential sockets (type UAXXXX) use two different types of field installable 5th terminals. Catalog No. H659-0121 for a grounded 5th terminal is most commonly used. Use Catalog No. H659-0120 when the 5th terminal does not need to be grounded. The 5th terminal for a HQ device (Catalog No. H35815-2) is in the form of a polycarbonate, safety shield with the 5th terminal located in the 9 o'clock position.

Q. What lugs should I use for a particular meter socket?

A. Lugs are included on most residential devices. A limited number of residential devices are available with stud connections. Commercial devices (HQ, MQ, K Base) have either the lug as an integral part of the socket (200amp HQ only) or have 3/8" or 1/2" stud connections. The catalog page for each commercial device with stud connections includes a list of recommended lugs. Lugs with an opening size of 13/32" are for 3/8" studs and lugs with an opening of 9/16" are for ½" studs. Lugs should be chosen based on the size and number of conductors being pulled to the socket. Some lugs are for specific types of sockets (K Base or HQ). Please refer to the accessories page for more details.

Meter Mounting Equipment

Q & A product sheets

Q. What is the voltage rating for Landis & Gyr meter sockets?

A. All meter sockets manufactured by Landis & Gyr are rated for up to 600 volts, with the exception of type K-4, which is rated at 300 volts.

Q. What material is used for the Landis & Gyr meter socket enclosures?

A. Landis & Gyr uses type G-90 galvanized steel and aluminum for its enclosures. Pedestals used in Chicago use G-210 steel.

Q. What type of finish is applied to the enclosures?

A. Landis & Gyr has a high quality reputation for its gray, baked on polyester powder coat, which is long lasting and withstands salt spray testing. Aluminum enclosures are normally supplied unpainted, but can be supplied with the same polyester coating as used on steel.

Q. What rating do Landis & Gyr meter socket enclosures carry?

A. Landis & Gyr enclosures have a NEMA type 3R rating.

Q. Are Landis & Gyr meter sockets UL listed?

A. Landis & Gyr offers all of its product lines with the UL listing. On occasion, we supply special devices that are not UL listed, to utilities that do not require the UL label.

Q. What label information can be found on the inside of the meter socket?

A. Every Landis & Gyr meter socket has a white information label, approximately 2-1/2" x 4" in size. It is located on the upper left hand inside wall of the enclosure. This label contains the following information: Catalog Number, Socket Type (UAT4, HQ-7U etc.), Number of Terminals (jaws), Continuous/Maximum Amperage, Voltage Rating, Service (single phase or three phase), Short Circuit Withstand Rating, Other UL Information, Included lay-in connector sizes or recommended lugs if stud type, Conduit Hub Kit Options and Accessories, where the device is manufactured and the date it was manufactured.

Q. How do I find the production date code for a Landis & Gyr meter socket?

A. The date code is printed towards the center of the bottom of the interior label. The date code will specify the month and year the socket was manufactured.

Q. What is the difference between 320 Amp sockets with 3/8" studs and those with 1/2" studs?

A. Landis & Gyr was the pioneer of class 320 metering. Originally it was believed that a socket with heavy duty connectors and jaw assemblies were needed to withstand this "high" amperage. Landis & Gyr introduced the HQ-D type block which features heavy plated copper connectors and 1/2" studs for mounting mechanical lugs. After receiving requests for a lighter-duty socket Landis & Gyr introduced the HQ-S type block. This block features the same heavy-duty connectors, but has 3/8" studs for mounting the mechanical lugs. Check with your local utility to see which block style is preferred.

Q. What is an anti-inversion clip?

A. The anti-inversion clip (Catalog No. H59676) is a specially formed wire that is inserted into the upper right hand jaw of a 320A meter socket. The purpose of the clip is to disallow a 200A meter to be inserted into the 320A meter socket. Class 320 meters are built with a narrow blade that will fit into a jaw that has the anti-inversion clip installed. The anti-inversion clip also restricts a class 320 meter from being inserted upside down.

Meter Mounting Equipment

Q & A product sheets

Q. What type of information can I find in the Landis & Gyr catalog?

A. Landis & Gyr publishes two types of catalogs. Our general catalog has Product Schedules containing detailed information for each type of product Landis & Gyr manufactures. Product Schedule #400 outlines the complete product offering and guides the user to the correct Product Schedule based on criteria such as: electrical service, form of meter being used, number of terminals (jaws), amperage, etc. Special accessories schedules near the back of the catalog show bypasses, tools, hubs and cover plates, 5th terminal kits, isolated neutral kits and ring-type socket sealing rings.

Landis & Gyr also publishes special catalogs for NEMRA trade territories, based on utility requirements. These catalogs are provided for the Contractor and Industrial (C & I) distribution market by authorized Landis & Gyr manufacturer representative organizations. These catalogs show only the products that pertain to the specific service territory. The C & I catalogs also include special accessories and lug information on the back pages. For detailed product information, customers can be referred to the corresponding Product Schedule in the general catalog.

Q. What is K-base?

A. K-base is the term used for a special way of metering continuous amperages of 400A or higher. Before the introduction of K-base metering, which was pioneered by Landis & Gyr, all loads over 320A had to use transformer rated metering. The K-base concept employs a meter with internal transformers to accept loads of up to 600A maximum and a meter-mounting device with heavy-duty bussing that holds the meter in place with the use of bolts. K-base meters and mounting devices are available for single phase, network and three phase applications. The K-base concept is continually growing as new utilities approve its usage each year.

Q. Which socket do I choose for a 400 Amp application?

A. There are 3 ways of metering a 400A application. Some utilities prefer a 320A meter socket, some prefer a 400A K base, still others prefer to use current transformers. Your local utility could use one or a combination of any of these methods. Please contact your local utility prior to purchasing a socket to ensure you have the right device for your application.

Q. What is the difference between an RX hub and a HD hub?

A. The RX hub is a small base ANSI compliant hub. The size ranges from 3/4" to 2-1/2". The HD hub is a large base ANSI compliant hub. The size ranges from 3" to 4". An HD size opening may be reduced to an RX size using an accessory adaptor plate.

135A Continuous Meter Mounting Equipment

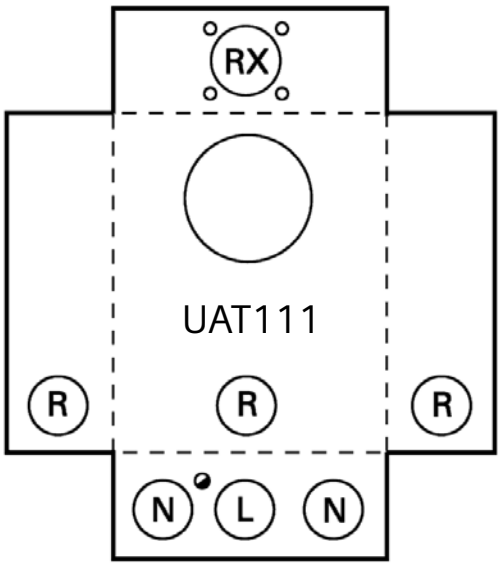
Residential①②, 4 terminal for 1 phase, 3 wire

Cont. amp rating	Service	Connectors Line & Load	Dimensions W	H	D	Hub opening	Bypass	Catalog number
Approved for First Energy								
135	OH/UG	#14-2/0	8.0	11.7	3.6	RX Opening	Horn	**UAT111-0PGP**
135	OH	#14-2/0	8.0	11.7	3.6	1.25" Inst	Horn	**UAT111-BPGP**
Approved for AEP, CG&E and Dayton Power & Light								
135	OH/UG	#14-2/0	8.0	11.7	3.6	RX Opening	Horn	**UAT111-0PQG**
135	OH/UG	#14-2/0	8.0	11.7	3.6	1.25" Inst	Horn	**UAT111-BPQG**

① **All units include a quad neutral.**
② **5th terminal kit for field installation: H659-0121.**
Accessories page 21.



UAT111-0PGP



Knockouts (inches):	
◑:	1/4
L:	1/2, 3/4,1,1-1/4,1-1/2
N:	3/4,1,1-1/4,1-1/2, 2
R:	1,1-1/4,1-1/2, 2
RX:	∅2.750 HUB OP

200A Meter Mounting Equipment

Residential①②, 4 terminal for 1 phase, 3 wire

Cont. amp rating	Service	Connectors Line & Load	Dimensions W	H	D	Hub opening	Bypass	Catalog number
200	OH/UG	#6-350 KCMIL	11.0	22.0	4.5	RX Cl. Plate	Horn	**UAT61A-XPPB**
Approved for First Energy								
200	OH	#6-350 KCMIL	8.0	15.0	4.5	RX Opening	Horn	**UAT317-0PGP**
200	OH	#5-350 KCMIL	8.0	15.0	4.5	2" Inst	Horn	**UAT317-DPGP**
Approved for AEP, CG&E and Dayton Power & Light								
200	OH	#6-350 KCMIL	8.0	15.0	4.5	RX Opening	Horn	**UAT317-0PQG**
200	OH	#6-350 KCMIL	8.0	15.0	4.5	2" Inst	Horn	**UAT317-DPQG**
Approved for CG&E								
200	OH/UG	#6-350 KCMIL	11.0	15.0	4.5	RX Opening	Horn	**UAT417-0PQG**
200	UG	#6-350 KCMIL	11.0	15.0	4.5	Blank	Horn	**UAT417-PPQG**
200	OH/UG	#6-350 KCMIL	11.0	15.0	4.5	Cl. Plate	Horn	**UAT417-XPQG**

① All UAT3 and UAT4 units include a quad neutral.
② 5th terminal kit for field installation: H659-0121.
Accessories page 21.

Knockouts (inches):	
◑:	1/4
A:	1/2
S:	1,1-1/4,1-1/2, 2, 2-1/2
AB:	1/4, 1/2, 7/8
RX:	∅2.750 HUB OP

UL LISTED



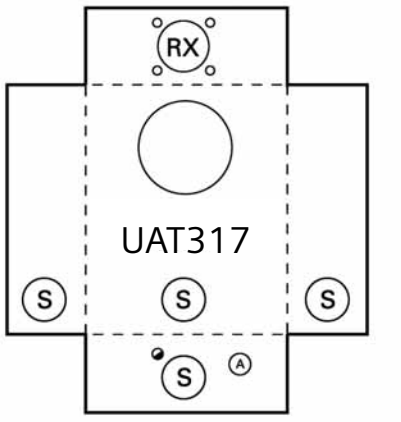
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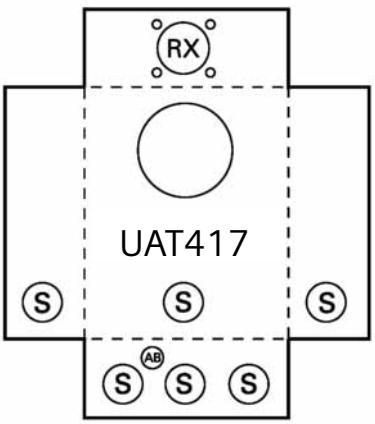


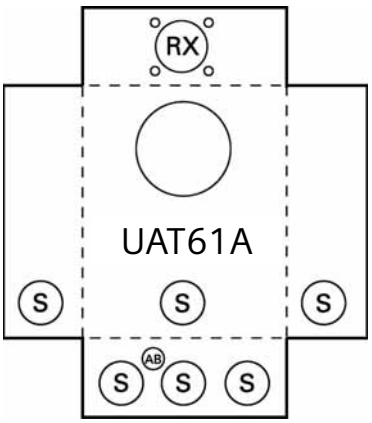
UAT417-0POG



UAT61A-XPPB







200A Meter Mounting Equipment

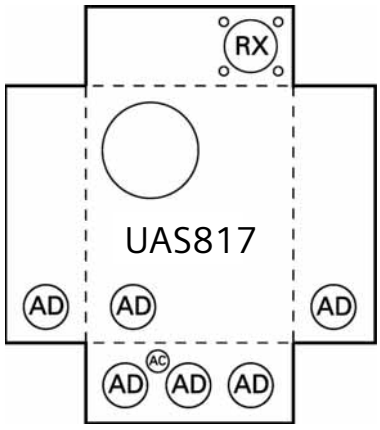
Residential①②, Side Wired, 4 terminal for 1 phase, 3 wire

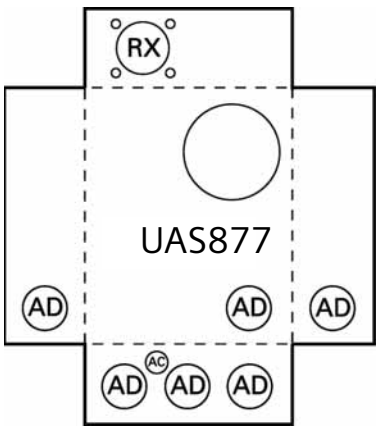
Cont. amp rating	Service	Connectors Line & Load	Dimensions W	H	D	Hub opening	Bypass	Meter opening	Catalog number
Approved for AEP and Dayton Power & Light									
200	UG	#6-350 KCMIL	13.0	14.0	5.1	Blank Top	Horn	Left	**UAS817-PPZA**
200	UG	#6-350 KCMIL	13.0	14.0	5.1	Blank Top	Horn	Right	**UAS877-PPZA**

① **Units are supplied with a ground lug.**
② **5th terminal kit for field installation: H659-0121.**
Accessories page 21.



UAS877-PPZA





Knockouts (inches):	
S:	1,1-1/4,1-1/2, 2, 2-1/2
AB:	1/4, 1/2, 7/8
AC:	1/4, 1/2
AD:	1-1/4, 1-1/2, 2, 2-1/2, 3
RX:	∅2.750 HUB OP

100A/150A Meter Mounting Equipment

Residential①, Gang Sockets, 4② terminal for 1 phase, 3 wire

No. Pos.	Cont. amp rating	Service	Connectors Line	Load	Dimensions W	H	D	Hub opening	Bypass	Meter direction	Catalog number
Approved for CG&E											
2	100	OH/UG	#6 - 350 KCMIL	#14 - 2/0	24.0	12.0	4.5	RX Opening	Horn	Horizontal	**UA2311-0PQG**
3	100	OH/UG	#6 - 350 KCMIL	#14 - 2/0	32.0	12.0	4.5	RX Opening	Horn	Horizontal	**UA3311-0PQG**
4	100	OH/UG	#6 - 350 KCMIL	#14 - 2/0	40	12.0	4.5	RX Opening	Horn	Horizontal	**UA4311-0PQG**
Approved for First Energy											
2	100	OH/UG	#6 - 350 KCMIL	#14 - 2/0	24.0	12.0	4.5	RX Opening	Horn	Horizontal	**UA2311-0PGP**
3	100	OH/UG	#6 - 350 KCMIL	#14 - 2/0	32.0	12.0	4.5	RX Opening	Horn	Horizontal	**UA3311-0PGP**
4	100	OH/UG	#6 - 350 KCMIL	#14 - 2/0	40.0	12.0	4.5	RX Opening	Horn	Horizontal	**UA4311-0PGP**
Approved for First Energy											
2	100	OH/UG	#6 - 350 KCMIL	#14 - 2/0	8.0	25.6	4.4	RX Opening	Horn	Vertical	**UA2B11-0PZA**
3	100	OH/UG	#6 - 350 KCMIL	#14 - 2/0	8.0	35.9	4.5	RX Opening	Horn	Vertical	**UA3B11-0PZA**

① All units are equipped with a ground lug.
② 5th terminal kit for field installation: H659-0121.
Accessories page 21.



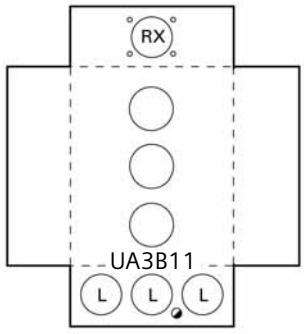
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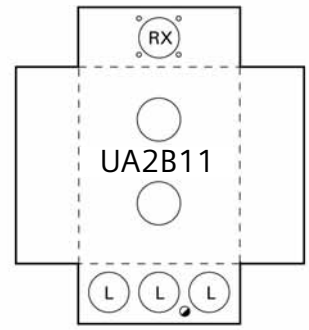


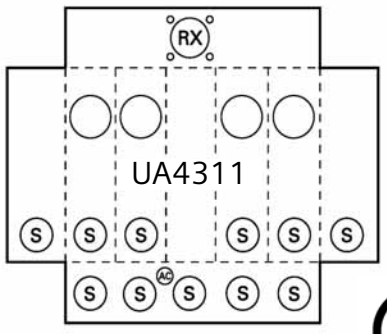
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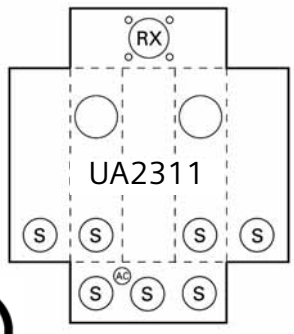


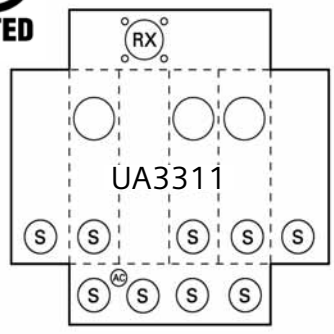
UAT2311-0PGP











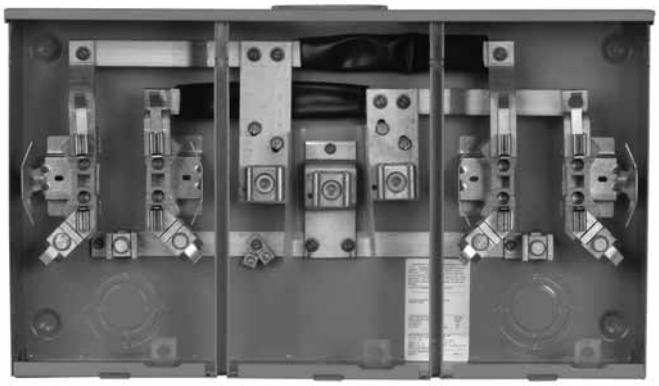
Knockouts (inches):	
S:	1,1-1/4,1-1/2, 2, 2-1/2
AC:	1/4, 1/2
RX:	∅2.750 HUB OP

200A/Position Meter Mounting Equipment

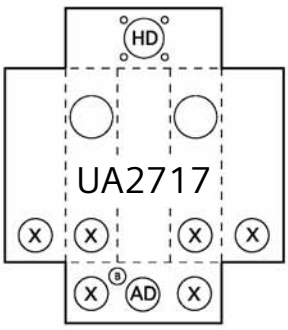
Residential①②, Horizontal Gang, 4③ terminal for 1 phase, 3 wire

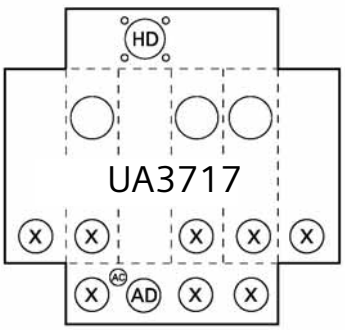
No. Pos.	Cont. amp rating	Service	Connectors Line	Load	Dimensions W	H	D	Hub opening	Bypass	Catalog number
Approved for AEP and CG&E										
2	200	OH/UG	1/0-600 KCMIL	#6 - 350 KCMIL	24.0	14.5	5.1	HD Opening	Horn	**UA2717-YPQG**
3	200	OH/UG	1/0-600 KCMIL	#6 - 350 KCMIL	32.0	14.5	5.1	HD Opening	Horn	**UA3717-YPQG**
4	200	OH/UG	(2) 1/0-600 KCMIL	#6 - 350 KCMIL	43.0	14.5	5.1	HD Opening	Horn	**UA4719-YPQG**
5	200	OH/UG	(2) 1/0-600 KCMIL	#6 - 350 KCMIL	51.0	14.5	5.1	(2) HD Opening	Horn	**UA5719-KPQG**
6	200	OH/UG	(2) 1/0-600 KCMIL	#6 - 350 KCMIL	59.0	14.5	5.1	(2) HD Opening	Horn	**UA6719-KPQG**
Approved for First Energy										
2	200	OH/UG	1/0-600 KCMIL	#6 - 350 KCMIL	24.0	14.5	5.1	HD Opening	Horn	**UA2717-YPGP**
3	200	OH/UG	1/0-600 KCMIL	#6 - 350 KCMIL	32.0	14.5	5.1	HD Opening	Horn	**UA3717-YPGP**
4	200	OH/UG	(2) 1/0-600 KCMIL	#6 - 350 KCMIL	43.0	14.5	5.1	HD Opening	Horn	**UA4719-YPGP**
5	200	OH/UG	(2) 1/0-600 KCMIL	#6 - 350 KCMIL	51.0	14.5	5.1	(2) HD Opening	Horn	**UA5719-KPGP**
6	200	OH/UG	(2) 1/0-600 KCMIL	#6 - 350 KCMIL	59.0	14.5	5.1	(2) HD Opening	Horn	**UA6719-KPGP**

① All units are equipped with a ground lug.
② All sockets are suitable for either overhead or underground feed.
③ 5th terminal kit for field installation: H659-0121.
Accessories page 21.

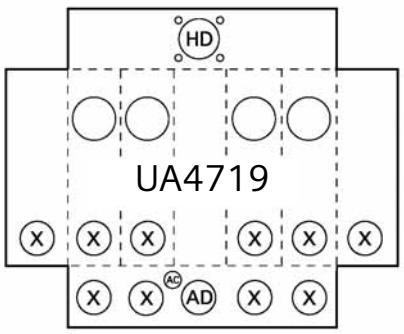


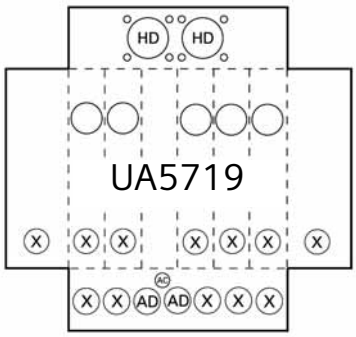
UA2717-YPGP

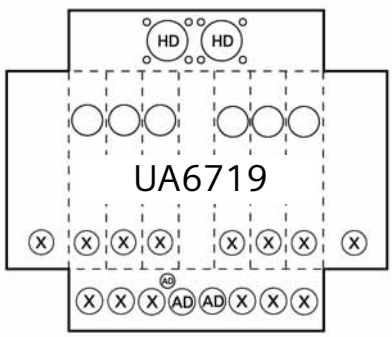




Knockouts (inches):	
X:	1-1/4,1-1/2, 2, 2-1/2
AC:	1/4, 1/2
AD:	1-1/4, 1-1/2, 2, 2-1/2, 3
HD:	∅4.281 HUB OP
RX:	∅2.750 HUB OP







200A Meter Mounting Equipment

Commercial/Industrial, Type HQ, Lever Bypass①
4 & 5 terminal for 1 phase, 3 wire; 7 terminal for 3 phase, 4 wire

Cont. amp rating	Service	Connectors Line	Load	Dimensions W	H	D	Hub opening	No. of term	Catalog number
Approved for Hamilton Electric									
200	OH	#6 - 350 KCMIL	#6 - 350 KCMIL	10.0	17.0	5.2	RX Opening	4	**40204-01**
200	OH/UG	#6 - 350 KCMIL	#6 - 350 KCMIL	13.0	19.0	5.2	RX Cl. Plate	5	**40405-0BNU**
Approved for AEP, CG&E, and Dayton Power & Light									
200	OH/UG	#6 - 350 KCMIL	#6 - 350 KCMIL	13.0	19.0	5.2	RX Cl. Plate	4	**40404-02QG②**
200	OH/UG	#6 - 350 KCMIL	#6 - 350 KCMIL	13.0	19.0	5.2	RX Cl. Plate	5	**40405-02QG②**
Approved for AEP East, AEP West, CG&E and Hamilton Electric									
200	OH/UG	#6 - 350 KCMIL	#6 - 350 KCMIL	13.0	19.0	5.2	RX Cl. Plate	7	**40407-025**
Approved for CG&E									
200	OH	#6 - 350 KCMIL	#6 - 350 KCMIL	10.0	17.0	5.2	RX Opening	4	**40804-01QG②**
200	OH/UG	#6 - 350 KCMIL	#6 - 350 KCMIL	13.0	19.0	5.2	RX Cl. Plate	4	**40404-02QG②**
200	OH	#6 - 350 KCMIL	#6 - 350 KCMIL	10.0	17.0	5.2	RX Opening	5	**40005-01QG②**
200	OH/UG	#6 - 350 KCMIL	#6 - 350 KCMIL	13.0	19.0	5.2	RX Cl. Plate	5	**40405-02QG②**
200	OH	#6 - 350 KCMIL	#6 - 350 KCMIL	10.0	17.0	5.2	RX Opening	7	**40007-01QG②**
200	OH/UG	#6 - 350 KCMIL	#6 - 350 KCMIL	13.0	19.0	5.2	RX Cl. Plate	7	**40407-02QG②**
200	OH/UG	3/8" - 24 Stud	3/8" - 24 Stud	13.0	19.0	5.2	RX Cl. Plate	4	**42504-025**
Approved for First Energy									
200	OH	#6 - 350 KCMIL	#6 - 350 KCMIL	10.0	17.0	5.2	RX Opening	7	**40007-01GP**
200	UG	#4 - 600 KCMIL	#6 - 350 KCMIL	16.1	20.1	5.0	RX Cl. Plate	7	**9804-9142**

① Bypass mechanism is lever-operated, jaw pressure release with 100% bypass capacity. Disconnect sleeves cannot be used.
② Devices with QG suffix have 2 ground lugs.
Accessories: page 21.

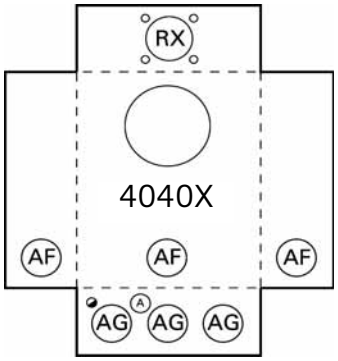


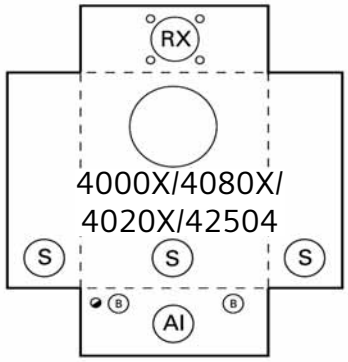
40407-025

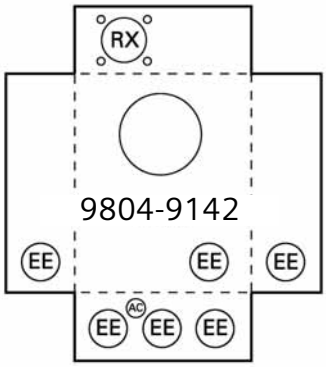


40005-01QG

Knockouts (inches):	
◑:	1/4
A:	1/2
B:	1/2, 3/4
S:	1,1-1/4,1-1/2, 2, 2-1/2
AF:	1, 1-1/2, 2, 2-1/2,3
AG:	3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2,3
AI:	1,1-1/4,1-1/2, 2, 2-1/2, 3
RX:	∅2.750 HUB OP







320A Meter Mounting Equipment

Residential/Commercial/Industrial, Type HQ, Lever Bypass③
4 terminal for 1 phase, 3 wire; 7 terminal for 3 phase, 4 wire

320Cont. amp rating	Service	Connectors Line	Load	Dimensions W	H	D	Hub opening	No. of term	Catalog number
Approved for CG&E									
320	OH	3/8" - 24 Stud	#6 - 350 KCMIL	13.0	28.0	5.0	HD Cl. Plate	4	**47604-02QG①**
Approved for First Energy and CG&E									
320	OH/UG	#4 - 600 KCMIL	(2) 1/0 - 250 KCMIL	20.0	34.0	6.2	HD Cl. Plate	4	**48704-82GP**
Approved for AEP and CG&E									
320	OH/UG	3/8" - 24 Stud	3/8" - 24 Stud	16.0	31.0	5.0	HD Cl. Plate	4	**48104-02②**
320	OH/UG	#4 - 600 KCMIL	(2) #6 - 350 KCMIL	16.0	31.0	5.0	HD Cl. Plate	4	**48104-82**
Approved for CG&E and Dayton Power & Light									
320	UG	3/8" - 24 Stud	3/8" - 24 Stud	12.8	28.0	5.0	Blank	4	**48504-92②**
320	UG	#4 - 600 KCMIL	(2) #6 - 350 KCMIL	12.8	28.0	5.0	Blank	4	**48504-846**
Approved for First Energy									
320	OH/UG	#4 - 600 KCMIL	1/0 - 250 KCMIL	13.0	28.0	5.0	HD Cl. Plate	4	**47604-81GP**
320	OH/UG	#4 - 600 KCMIL	1/0 - 250 KCMIL	20.0	34.0	6.2	HD Cl. Plate	7	**48707-82GP**
Approved for AEP									
320	OH/UG	3/8" - 24 Stud	3/8" - 24 Stud	20.0	34.0	6.2	HD Cl. Plate	7	**48707-02②**

① Device includes 2 ground lugs.
② Please choose lugs with 13/32" openings. (Page 20)
③ Bypass mechanism is lever-operated, jaw pressure release with 100% bypass capacity. Disconnect sleeves cannot be used. Accessories: page 21.

Knockouts (inches):	
◑:	1/4
A:	1/2
B:	1/2, 3/4
Z:	1-1/2, 2, 2-1/2
EE:	2, 2-1/2, 3
GG:	2-1/2,3, 3-1/2
HH:	2-1/2, 3, 3-1/2, 4
AC:	1/4, 1/2
AE:	1/4, 1/2, 3/4, 1, 1-1/4
AG:	3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3
HD:	∅4.281 HUB OP



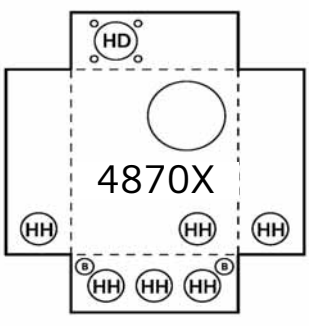
48504-92

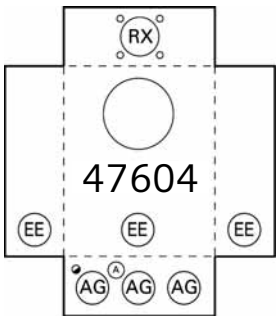


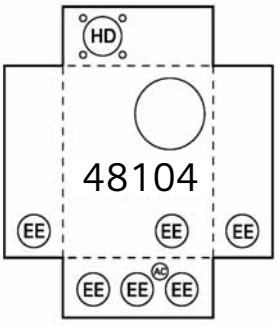
48104-02
(Lugs not included)

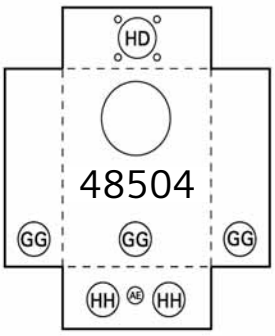


48707-02









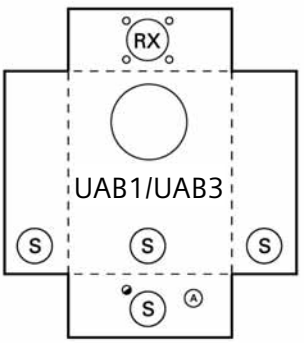
100A/200A Meter Mounting Equipment

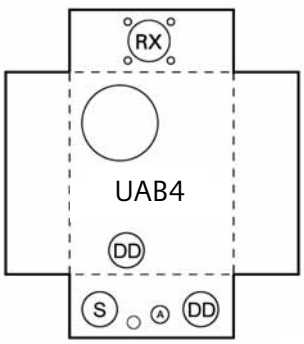
Residential①, Meter Main
4 & 5 terminal for 1 phase, 3 wire

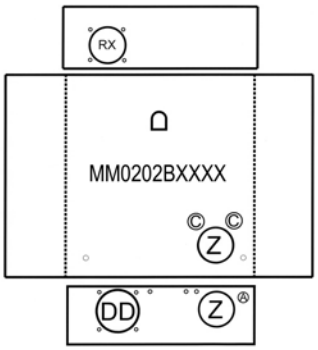
Rating	Service	Connectors Line	Connectors Load	Dimensions W	Dimensions H	Dimensions D	Hub opening	Main breaker	No. term.	Bypass	Cover style	Catalog number
100	OH	#14-2/0	#6-350 KCMIL	8.0	28.5	4.5	RX Opening	125A Prov.	4	Horn	Ringless	**UAB111-0PCH** ③④
200	OH	#6-350 KCMIL	see breaker rating	8.0	28.5	4.5	RX Opening	200A Inst.	4	Horn	Ringless	**UAB317-0PCH** ③⑤
200	OH/UG	#6-350 KCMIL	see breaker rating	11.3	28.5	4.3	RX Cl. Plate	200A Inst.	4	Horn	Ringless	**UAB417-XG**
150	OH/UG	#6-250 KCMIL	#1-300 KCMIL	16.0	17.0	5.1	RX Cl. Plate	150A Inst.	4	None	Ring	**LGMM0202B1150**
200	OH/UG	#6-250 KCMIL	#1-300 KCMIL	16.0	17.1	5.1	RX Cl. Plate	200A Inst.	4	None	Ring	**LGMM0202B1200**
Approved by First Energy and AEP												
125	OH/UG	#6-250 KCMIL	#2-1/0 CU, 2/0 AL	18.5	17.0	5.1	RX Cl. Plate	125A Inst.	5	Horn	Ringless	**LGMM0202B1125RJBX** ②⑤
150	OH/UG	#6-250 KCMIL	#1-300 KCMIL	18.5	17.0	5.1	RX Cl. Plate	150A Inst.	5	Horn	Ringless	**LGMM0202B1150RJBX** ②⑤
200	OH/UG	#6-250 KCMIL	#1-300 KCMIL	18.5	17.0	5.1	RX Cl. Plate	200A Inst.	5	Horn	Ringless	**LGMM0202B1200RJBX** ②⑤

① **All units are UL listed.**
② **5th terminal factory installed.**
③ **5th terminal for field installation: H659-0121.**
④ **UAB111-0PCH has a provision for a 125 amp max. circuit breaker. See breaker table for details.**
⑤ **Breaker factory installed. See breaker table for replacement circuit breakers.**

Breaker table	
Amps	**Circuit breaker**
100	Q2100
125	Q2125
150	QN2150
200	QN2200
UAB317/417	
200	QJ22B200









UAB317-0PCH



UAB417-XG



LGMM0202B1200

UL LISTED

Knockouts (inches):	
◑:	1/4
A:	1/2
C:	1/2, 3/4, 1
S:	1,1-1/4,1-1/2, 2, 2-1/2
Z:	1-1/2, 2, 2-1/2
DD:	1-1/4,1-1/2, 2, 2-1/2, 3
RX:	∅2.750 HUB OP

200/400A Meter mounting equipment

Residential, Meter Main, 4 terminal for 1 phase, 3 wire

Rating	Service	Dimensions W	H	D	Hub opening	Main breaker	No. term.	Bypass	Cover style	Catalog number
200	OH/UG	30.0	14.0	5.0	RX Cl. Plate	200A Inst.	4	None	Ringless	**LG0408B1200RT**
200	OH/UG	32.0	14.0	5.0	RX Cl. Plate	200A Inst.	4	None	Ringless	**LG0816B1200RCT**
200	OH/UG	27.0	14.0	5.0	RX Cl. Plate	Main lug	4	None	Ringless	**LG0606L1200R**
200	OH/UG	27.0	14.0	5.0	RX Cl. Plate	Main lug	4	None	Ringless	**LG0606L1200RA**①
Approved by First Energy and Cinergy										
400	OH	29.0	27.0	6.0	HD Cl. Plate	(2) LN prov.②	4	Lever	Ringless	**LG0404L1400RLM**
400	OH	29.0	27.0	6.0	HD Cl. Plate	200A Inst. space for one more 200A main ②	4	Lever	Ringless	**LG0816B1400RLT**

① **Aluminum enclosure**
② **See LN breakers on page 16 for breaker selection.**



LG0408B1200RT
4 space, 8 circuit
feed thru lugs



LG0816B1200RCT
8 space, 16 circuit
feed thru lugs



LG0606L1200R
12 space, 16 circuit
LG0606L1200RA
2 or 4 pole breakers only



LG0404L1400RLM
Accepts 2 main breakers 60-200A each



LG0816B1400RLT
8 space, 10 circuit feed thru lugs

Circuit Breakers

Features

- Plug in
- UL listed for use with Landis & Gyr branded meter combinations
- 1" Frame



Single Pole



Double Pole



4-Pole

Description	Amps	Catalog number
1-Pole 120V	15	**L115**
1-Pole 120V	20	**L120**
2-Pole 120/240V	20	**L220**
2-Pole 120/240V	30	**L230**
2-Pole 120/240V	40	**L240**
2-Pole 120/240V	50	**L250**
2-Pole 120/240V	60	**L260**
2-Pole 120/240V	100	**L2100**
2-Pole 120/240V	125	**L2125**
4-Pole 120/240V	150	**LN2150R**
4-Pole 120/240V	200	**LN2200R**

Accessories	Catalog number
Single Pole Padlocking Device	**ECPLD1**
Double Pole Padlocking Device	**ECPLD2**
4-Pole Padlocking Device	**ECPQLN3**
Handle Blocking Device (1 & 2 Pole)	**ECQL1**

Air Conditioning Disconnects

Fused and Non-fused

Features:

Flexibility
- 30-60 amperes
- 240 volts A.C.
- Padlock provisions
- Horsepower rated
- 10,000 A.I.C.
- New models available with internal GFCI receptacle
- Removable door
- Ample wiring space

Rugged Durability
- Noryl® thermoplastic and powder coated G90 steel enclosures are corrosion resistant and extremely durable giving long maintenance free service
- Copper conductors
- Raised mounting embosses



Steel AC Disconnects

Ampere rating	Disconnect type	Catalog number	Horse power rating	Dimensions (inches) H	W	D
30	Fused pullout	**LF2030**	3	7.3	5.0	2.1
60	Fused pullout	**LF2060**	10	8.0	5.0	2.1
60	Non-fused pullout	**LN2060**	10	7.3	5.0	2.1
60	Non-automatic switch	**LNAS2060**	10	7.3	5.0	2.1



Plastic AC Disconnects

Ampere rating	Disconnect type	Catalog number	Horse power rating	Dimensions (inches) H	W	D
30	Fused pullout	**LF2030PL**	3	8.0	5.3	3.1
60	Fused pullout	**LF2060PL**	10	8.0	5.3	3.1
60	Non-fused pullout	**LN2060PL**	10	7.3	5.0	2.1
60	Non-fused pullout	**LN2060PLX**	10	8.0	6.0	5.8



Steel AC Disconnects with 15 Amp GFCI Receptacle

Ampere rating	Disconnect type	Catalog number	Horse power rating	Dimensions (inches) H	W	D
30	Fused pullout	**LF2030GFCI**	3	9.0	6.1	5.1
60	Fused pullout	**LF2060GFCI**	10	9.0	6.1	5.1
60	Non-fused pullout	**LN2060GFCI**	10	7.1	5.8	5.1
60	Non-automatic switch	**LNAS2060GFCI**	10	7.1	5.8	5.1

Wire Range Table

	Copper		Aluminum	
Connector	Solid	Stranded	Solid	Stranded
Line	#14-8	#14-3	#12-8	#12-3
Load	#14-8	#14-3	#12-8	#12-3
Neutral	#12-8	#12-2	#12-8	#12-2
Equip. grnd.	#12-8	#12-2	#12-8	#12-2

UL® LISTED

Spa Panels

For use as spa/hot tub service disconnect

Features:

- UL Listed
- Factory installed, 2-pole 50A GFCI breaker for 240V ground fault protection
- NEMA Type 3R outdoor enclosure
- 2 extra spaces (4 circuits manimum) for additional circuit breakers
- 125 Amp rated interior
- Factory installed 5 position ground bar
- Closure plate included
- Compact enclosure size
- Convenient standard package of 1
- Uses reliable Siemens circuit breakers

2-Pole GFCI breaker	Dimensions (inches) H	W	D	Catalog number
50A	12.3	6.0	4.5	**LGSPA50**
60A	12.3	6.0	4.5	**LGSPA60**



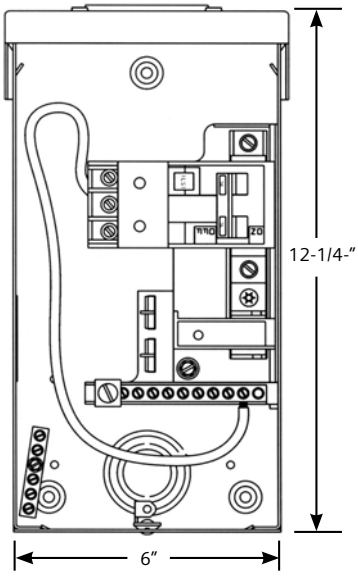
dead front



enclosure



hub cover plate included



Connector Lugs

H55890 #6-350 KCMIL **3/8″ Stud**	**H55890-1** #6-350 KCMIL **3/8″ Stud**	**H56734** #6-250 KCMIL **1/2″ Stud**	**H37892** #4-500 KCMIL **1/2″ Stud**
			
H57606-K #6-350 KCMIL **3/8″ Stud**	**H56476** #3/0-800 KCMIL **1/2″ Stud**	**H60162** (1) #4-600 KCMIL **1/2″ Stud**	**H61300** (2) #1/0-250 KCMIL **1/2″ Stud**
			
H58022 (2) #6-250 KCMIL **3/8″ Stud**	**H56732** (2) #4-350 KCMIL **1/2″ Stud**	**H56732-1** (2) #4-350 KCMIL **1/2″ Stud**	**H56732-2** (2) #4-350 KCMIL **3/8″ Stud**
			
H56732-M (2) #4-500 KCMIL **1/2″ Stud**	**H68752-1** (3) #6-250 KCMIL **1/2″ Stud**	**H56426** (4) #6-350 KCMIL **1/2″ Stud**	**H56477** #3/0-800 KCMIL **1/2″ Stud**
			
H56425 (2) #6-350 KCMIL **1/2″ Stud**	**H56425-M** (2) #4-500 KCMIL **1/2″ Stud**	**H58852** #3/0-800 KCMIL **1/2″ Stud**	**H56733** #3/0-800 KCMIL **1/2″ Stud**
			
H56427 (2) #6-350 KCMIL **1/2″ Stud**	**H56427-M** (2) #4-500 KCMIL **1/2″ Stud**	**H58853** (2) #6-350 KCMIL **1/2″ Stud**	**H59299-1** **1/2″ Stud**
			

Connector Lugs

Lug extender

Pressure type lugs for Landis & Gyr's stud type meter mounting devices are made of 6061-T6 aluminum to provide high strength and high conductivity. All lugs are tin-plated to ensure low contact resistance and to reduce corrosion.

Allen or hex head pressure screws are furnished to provide excellent conductor spread for maximum binding action with the lug. All Landis & Gyr lugs are listed with Underwriters Laboratories.

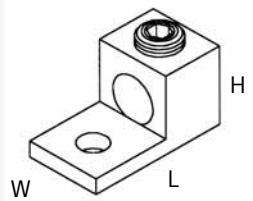
Pressure lug connectors for meter mounting devices

Device type	Anti-rotation feature	Conductor size	Stud opening	Pressure screw head	Dimensions* (inches) L	W	H	Catalog number
	No	#6-350 MCM	13/32"	9/16" Hex	2-1/4	1-1/8	1-1/4	**H55890**
HQ-4S	No	#6-350 MCM	13/32"	5/16" Allen	2-1/4	1-1/8	1-1/4	**H55890-1**
HQ-5 S	No	#6-350 MCM	13/32"	3/8" Allen	2-1/4	1-1/8	1-1/4	**H57606-K**
HQ-7S	No	(2) #6-250 MCM	13/32"	5/16" Allen	2-3/16	1-5/8	1-3/16	**H58022**
HQ-4D	No	#4-500 MCM	9/16"	3/8" Allen	2-13/16	1-1/2	1-9/16	**H37892**
HQ-5DM	Yes	(1) #4-600 MCM	9/16"	1/2" Allen	2-13/16	1-3/8	1-13/16	**H60162**
HQ-7D		or						
HQ-7DF	No	(2) #1/0-250 MCM	9/16"	1/2" Allen	2-13/16	1-3/8	1-13/16	**H61300**
K-4,5,7	No	(2) #6-350 MCM	9/16"	5/16" Allen	2-7/8	1-57/64	1-1/4	**H56425**
K-4,5,7	No	(2) #4-500 MCM	9/16"	3/8" Allen	2-13/16	2-1/16	1-9/16	**H56425-M**
K-4	No	(4) #6-350 MCM	9/16"	5/16" Allen	2-7/8	3-15/16	1-1/4	**H56426**
K-4,5,7	Yes	(2) #6-350 MCM	9/16"	5/16" Allen	4-15/16	1-1/8	2-1/16	**H56427**
K-4,5,7	Yes	(2) #2-500 MCM	9/16"	3/8" Allen	4-1/4	1-1/8	1-13/16	**H56427-M**
K-5,7	Yes	#3/0-800 MCM	9/16"	1/2" Allen	3-1/4	1-5/16	1-13/16	**H56476**
K-4,5,7	Yes	#3/0-800 MCM	9/16"	1/2" Allen	3-1/4	1-5/16	1-13/16	**H56477**
K-5,7	No	(2) #4-500 MCM	9/16"	3/8" Allen	2-13/16	2-5/32	1-9/16	**H56490**
K-5,7	Yes	(2) #4-350 MCM	9/16"	5/16" Allen	2-7/8	1-59/64	1-1/4	**H56732**
K-5,7	No	(2) #4-350 MCM	9/16"	5/16" Allen	2-7/8	1-59/64	1-1/4	**H56732-1**
K-5,7	Yes	(2) #4-500 MCM	9/16"	3/8" Allen	2-13/16	2-5/32	1-13/16	**H56732-M**
K-4,5,7	Yes	#3/0-800 MCM	9/16"	1/2" Allen	4-3/16	1-3/4	2-3/8	**H56733**
K-4,5,7 (Grd.)	No	#6-250 MCM	9/16"	5/16" Allen	2-9/16	1-9/32	1-3/16	**H56734**
K-4,5,7	Yes	#3/0-800 MCM	9/16"	1/2" Allen	3-15/16	1-3/4	1-13/16	**H58852**
K-4,5,7	Yes	(2) #6-350 MCM	9/16"	5/16" Allen	3-15/16	1-1/8	1-1/2	**H58853**
K-4,5,7	Yes	(3) #6-250 MCM	9/16"	5/16" Allen	2-7/8	2-31/64	1-7/16	**H68752-1**

Lug Extender

Device type	Stud opening	Stud size	Dimensions (inches) W	H	D	Catalog number
K-4	9/16"	1/2-20 x 1-7/8"	4-1/4	1-1/4	2-3/8	**H59299-1****

* Dimensions do not include height of pressure screw with conductor installed.
** Includes nut and washer assembly and washer.



Accessories

Removable hub kits

	Conduit Size (inches)	Catalog number
 Removable hub	**RX type hubs small**	
	1	**H38596-2**
	1-1/4	**H38597-2**
	1-1/2	**H38598-2**
	2	**H38599-2**
	2-1/2	**H38600-2**
	Cover plate - steel	**H38595-1**
	Cover plate - aluminum	**H38595-2**
 Cover plate	**HD type hubs large**	
	3	**H56856-2**
	3-1/2	**H56857-2**
	4	**H56858-2**
	Cover plate - steel	**H56933**
	Cover plate - aluminum	**H56933-1**

Accessories

	Description	Catalog number
	Insulated 5th terminal kit - Type AS, AT only	**H659-0120**
	Grounded 5th terminal kit - Type AS, AT only	**H659-0121**
	HQ 5th terminal kit - 6:00	**H35815-3**
	HQ 5th terminal kit - 9:00	**H35815-2**
	Large to small adaptor - steel HD to RX	**H9747-1113**
	Large to small adaptor - aluminum HD to RX	**H9747-1112**
	Black plastic meter opening cover	**H39968**
	Clear plastic meter opening cover (with plug-in feet)	**H659-0162**
	HQ isolated neutral kit *Includes neutral and isolation block	**H64685-1***
	Neutral isolation kit for HQ *Isolates existing neutral	**H64690-1***
	200A temporary Insulated Jumper	**H36479**
	Add-on grounding lug for HQ/HQU	**H55303**

Terms of sale

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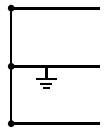
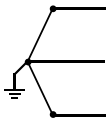
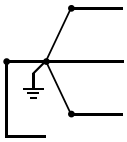
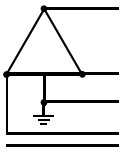
Transportation Charges: Prices listed are F.O.B. factory with freight prepaid and allowed on all shipments of orders of $1,000 net or more for single shipments to one location.

Minimum Billing: $100 net plus transportation charges.

Cancellation: Orders accepted by the factory can be cancelled only with the factory's consent and upon payment to the seller of reasonable charges incurred by the seller which will indemnify the seller against loss.

Returns: Goods may not be returned to Landis & Gyr without written authorization from the factory. A minimum 20% restocking charge will be applicable on all returned goods. Credit will be given only for current production items in unopened cartons. All transportation charges paid by Landis & Gyr will be deducted from such credit.

Meter Mounting Device Applications

Electrical service	Service type	Meter form	Socket type	Standard socket Catalog number	Product schedule
1-phase 	Self-contained, 3 wire	2S	4 jaw 100A	AT-1	402, 415, 453
			4 jaw 200A	AT-3, AT-4, CQ-4, HQ-4	410, 411, 412, 415, 417, 419, 425, 453, 456,458
		2SE	4 jaw 320A	HQ-4S, HQ-4D	426, 430, 435
	Self-contained, bolt-in	2K	K4-400/480A	K-4, K-4UT	440
	Transformer-rated, 2 wire	3S!	5 jaw 20A	HQ-6T, HQ-6TS, PTS-6	469,470,465
	Transformer-rated, 3 wire	4S!	6 jaw 20A	HQ-6T, HQ-6TS	469,470,465
3-phase, 3 wire or network 	Self-contained	12S	5 jaw 100A	CQ-5, HQ-5	417, 419, 421, 425
		12S	5 jaw 200A	CQ-5, HQ-5	417, 419, 421, 425
		12SE	5 jaw 320A	HQ-5SWT, HQ-5D	430, 435
	Self contained bolt-in	12K	K-5 480/600A	K-5	447
	Transformer-rated	5S	8 jaw 20A	HQ-8T, HQ-8TS, PTS-8	469, 470, 465
3-phase, 4 wire  Wye  or Delta	Self-contained	14S	7 jaw 100/200/320A	CQ-7, HW-7	417, 419, 425, 426, 435
		15S			
		16S			
	Self-contained, bolt-in	14K	K-7 480/600A	K-7, K-7T	447
		15K			
		16K			
	Transformer-rated	6S	13 jaw 20A	HQ-13T, HQ-13TS, PTS-13	469, 470, 465
		8S			
		9S			

Notes:

Represented by:

Hawkins Sales of Ohio
1355 Valley Belt Road
Brooklyn Heights, OH 44131
Phone: (216) 351-0074
Fax: (216) 351-0001

Cincinnatti office:
1054 Monroe Road #201
Lebanon, Ohio 45036
Phone: (513) 228-1505
Fax: (513) 228-1512

Landis & Gyr Meter Mounting Devices
Siemens Industry, Inc.
Building Technologies Division
5400 Triangle Parkway
Norcross, GA 30092

www.landisandgyr.com

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