

Product
Catalog



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See online catalog for latest updates.
Actual product appearance may differ.

About **A.E. Products, Inc.**



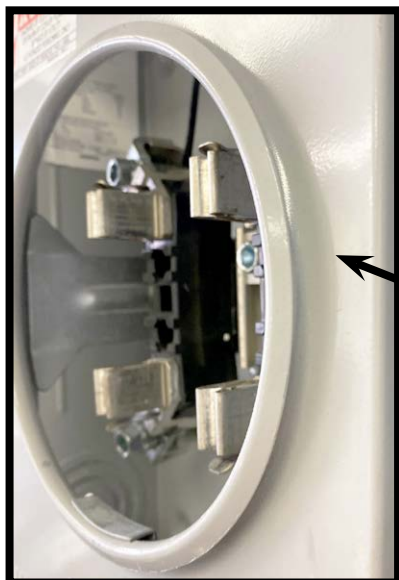
A.E. Products has been in business since 1986 and working in tandem with the utility industry as a private label manufacturing subcontractor. We design, test, and mold all of our devices in house. We specialize in customizing these housings to fit the clientele specifications.

Our expertise is in:

- UL 414 Listed Extension Housings
- UL 414 Listed Service Disconnects (Donuts)
- Meter Socket Adapters
- Meter Socket Converters
- Temporary/Emergency Power
- Extension Collars
- Meter Socket Jumpers
- Meter Socket Interfaces
- Housings & Enclosures
- Accessories & More



Definitions



**Ring Style
Meter Without
Locking/Sealing
Ring**

**Socket Rim/
Flange**



**Ring Style
Meter With
Locking/
Sealing Ring**



**Ringless
Style
Meter**

Embossment



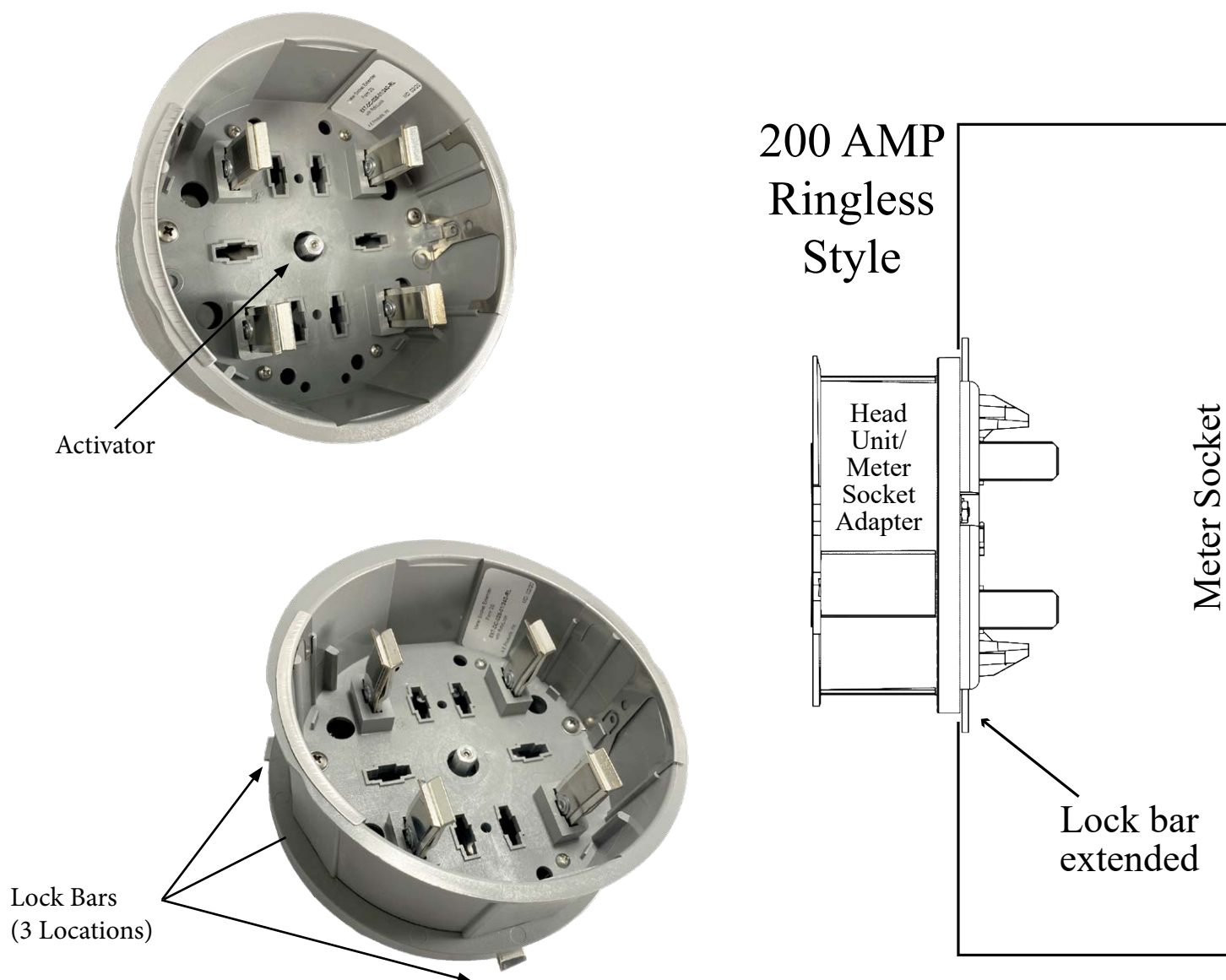
**Ringless
Style
Meter**

Locking Tab

Definitions

RotoLock Mechanism

Our unique RotoLock Mechanism feature can be incorporated into many of our products. The RotoLock Mechanism allows a housing or adapter to be attached to the front cover of a ring style or ringless meter socket, without the need to remove the cover by turning a centrally located activator. Once the electric meter is installed, the activator becomes inaccessible.



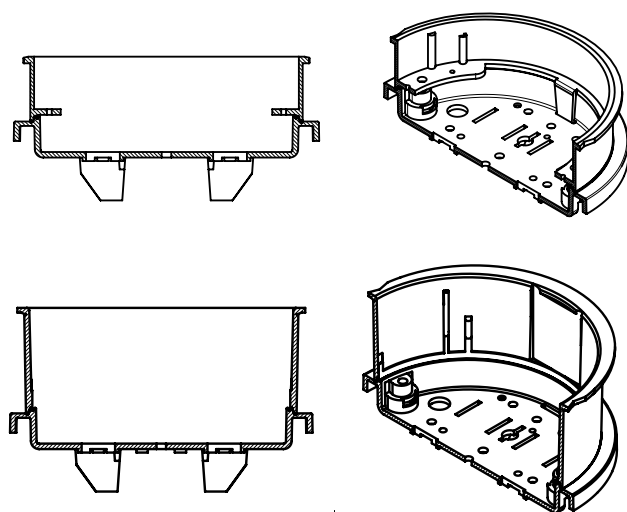
Definitions

Single Cavity: Housing or enclosure with a single hollow space.

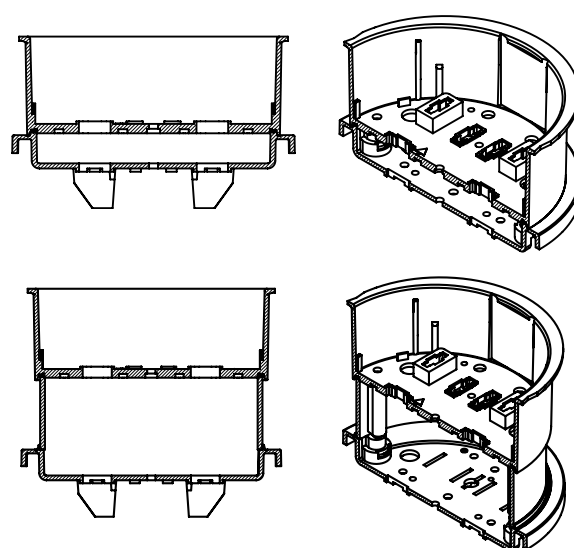
Dual Cavity: Housing or enclosure with two hollow areas available for use.

See Pages 38 - 39 for more diagrams and information

Single Cavity

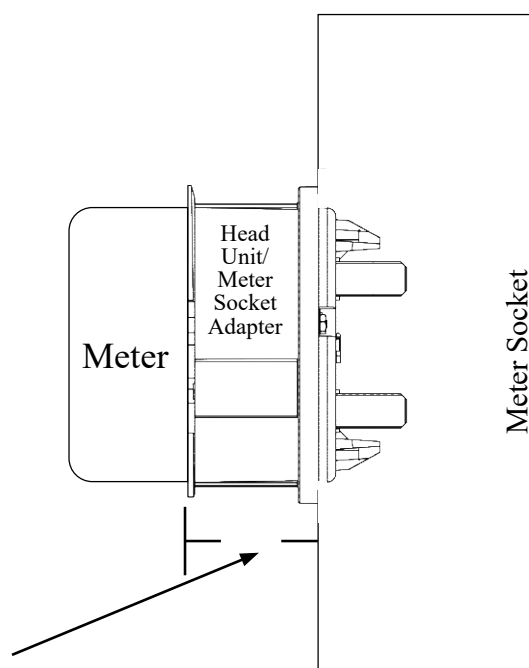


Dual Cavity

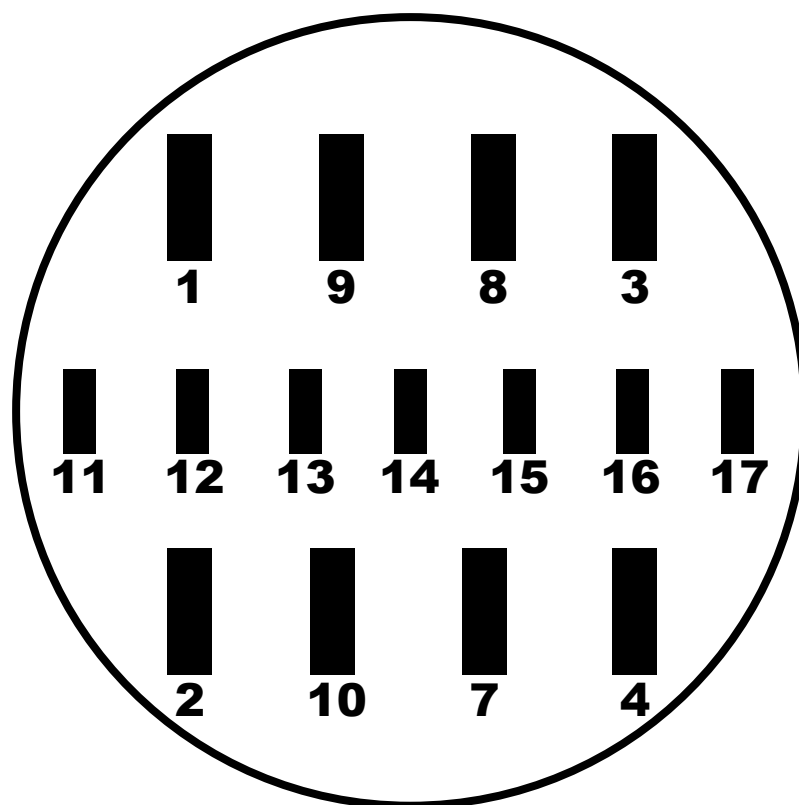
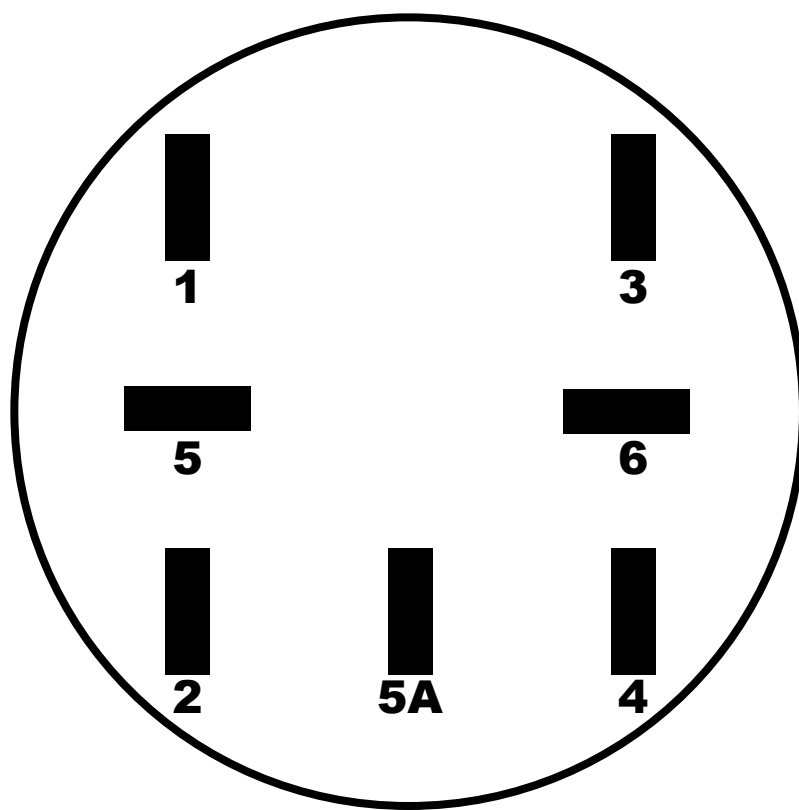


Stand-out: The distance the housing or device extends outward beyond the face of the meter socket when installed.

Stand-out height

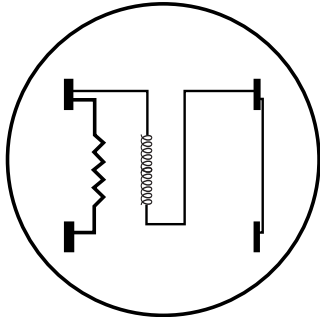


ANSI C12 Jaw Position Standards

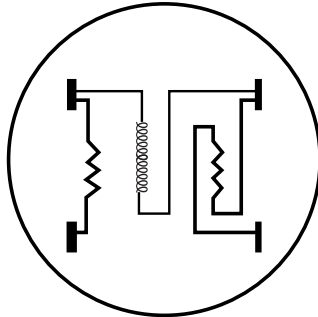


Meter Forms

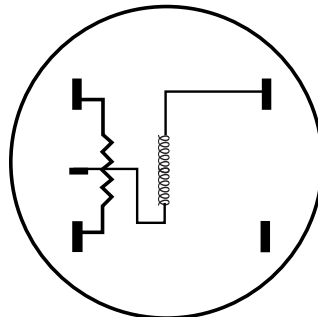
1S



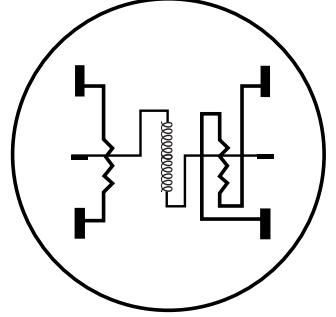
2S



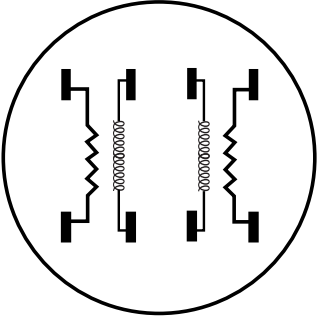
3S



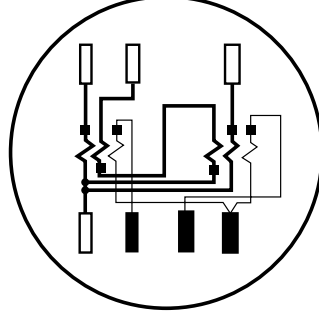
4S



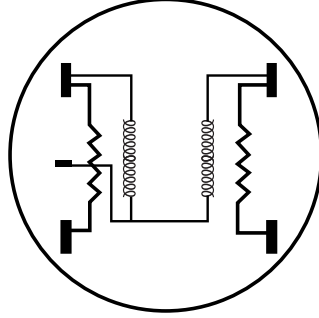
5S



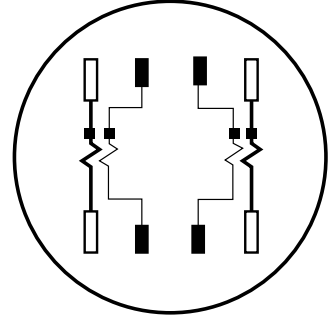
7S



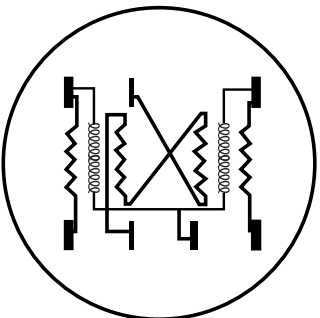
12S



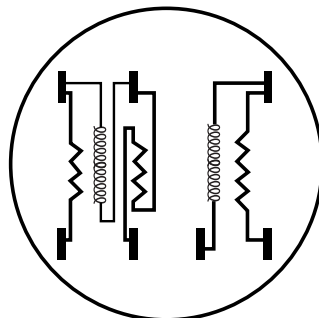
13S



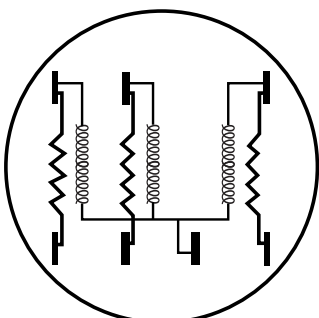
14S



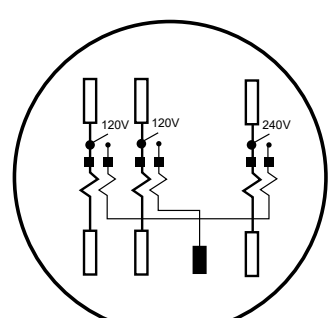
15S



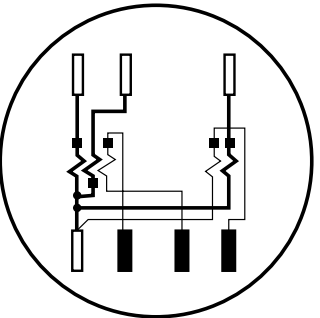
16S



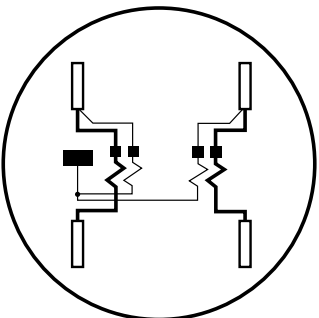
17S



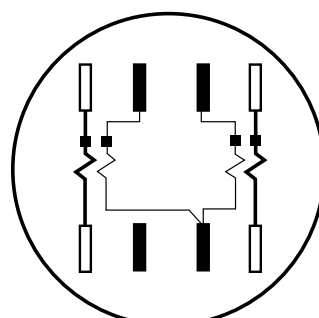
24S



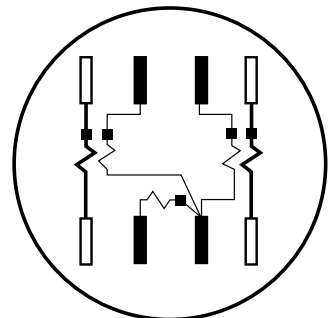
25S

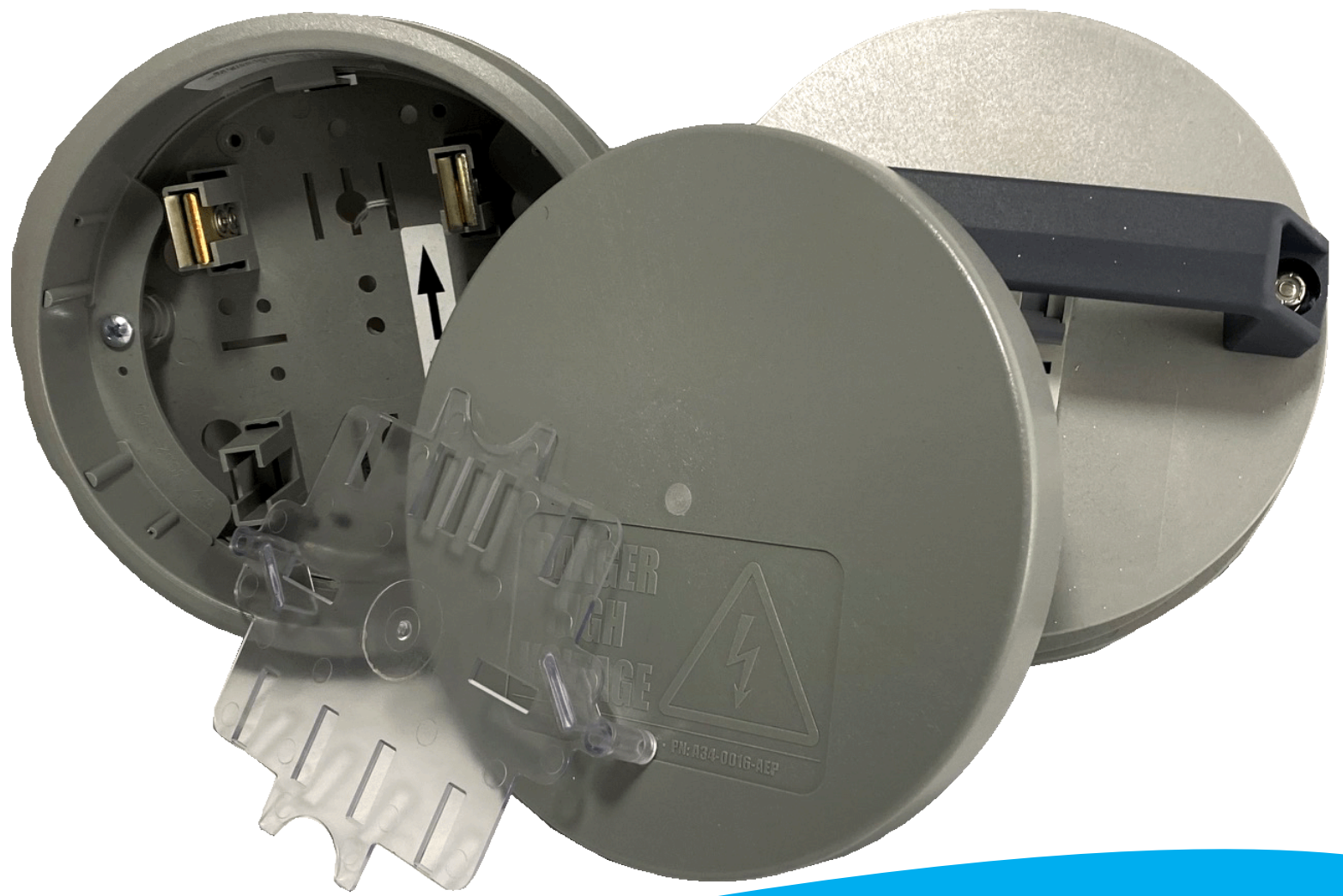


35S



45S





Section 1

Disconnects/Covers

Economy Disconnect Shield with Tilt



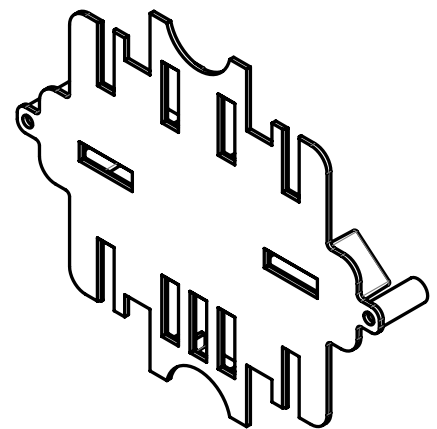
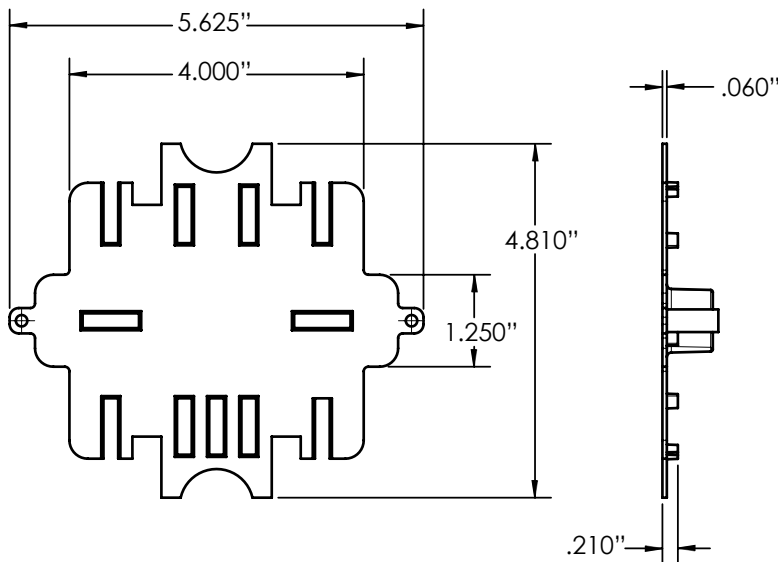
Specification & Features

UV Stabilized Plastic
Flame Rating: 5VA/V-0 (Grey), HB (clear)
Polycarbonate (Fiberglass Reinforced Grey)
Plastic Meets UL 746



The AE Products Economy Disconnect Shield is a cost effective way to safely and easily disconnect power at the meter. Meter tilt gives quick visual indication.

Dimensions



(Diagrams are not to scale)

Model Number	Description
SDA-NP-02S-01	Economy Disconnect Shield with Tilt in Grey
SDA-NP-02S-04	Economy Disconnect Shield with Tilt in Clear

Other color options available. Contact factory with inquiries.

Blank-Off Covers

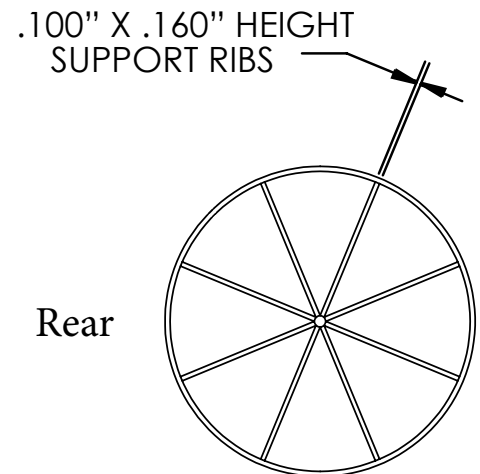
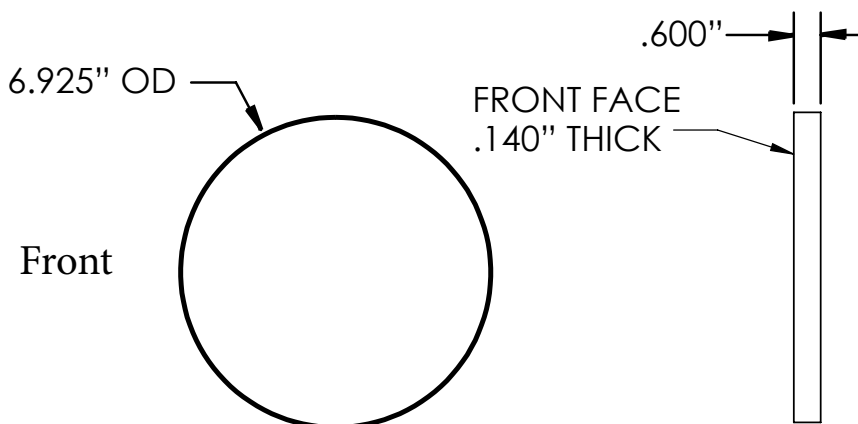
Specification & Features

UV Stabilized Plastic
Flame Rating: 5VA/V-0 (Grey), HB (clear & colors)
Polycarbonate (Fiberglass Reinforced Grey)
Plastic Meets UL 746
Listed to ANSI/UL 414
Dimensions: 6.925" Overall Diameter 6.700" Interior Diameter Support Ribs: 0.100" x 0.160 Height
Recess for Label or Custom Mold Engraving (optional): • May be molded with or without recess • Designed for use with label or custom mold engraving • Available area for label or custom mold engraving: 3.5" x 2"
Stabs may be molded independently: various configurations available including class 320 keyed
Contact Factory for Customization



The AE Products Blank-Off Covers are a cost effective way to safely and easily cover the meter socket opening if the meter is not going to be set or installed.

Dimensions



(Diagrams are not to scale)

Model Number Configuration

SDA - NP - 02S - _____ / _____ - _____

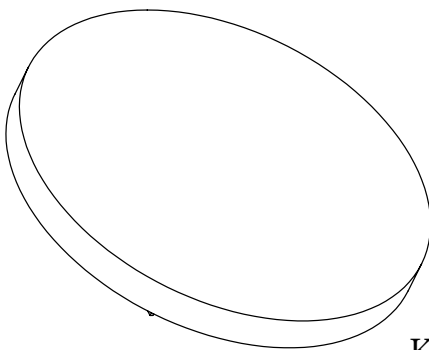
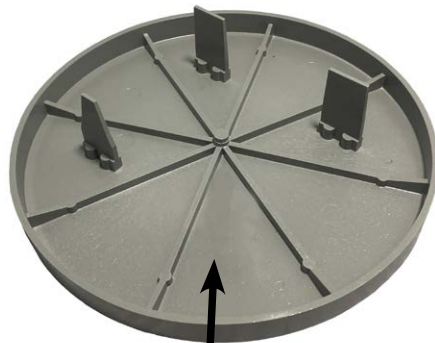
Color
01 - Gray
04 - Clear

Blades
WOB - Without Blades
BLA - Blades

Front Recess
REC - Label Recess
ENG - Engraved
PLN - Plain
AEP - Danger High Voltage (recessed)

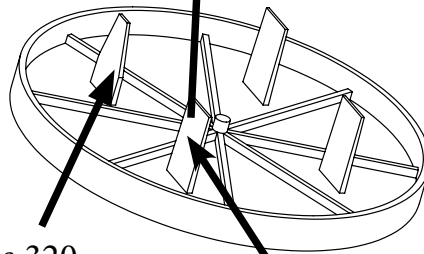
Please contact factory for additional color options as well as custom engraving options.

Blank-Off Covers

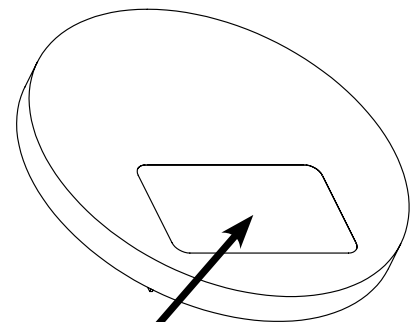


Plain, No Recess

Class 320
Keyed Blade



These stabs can be
molded independently,
in any configuration



Label recess is 3.5" x 2" or
custom molded engraving
available (Contact factory
for more information)

Stay Hot with Potential/Service Disconnect

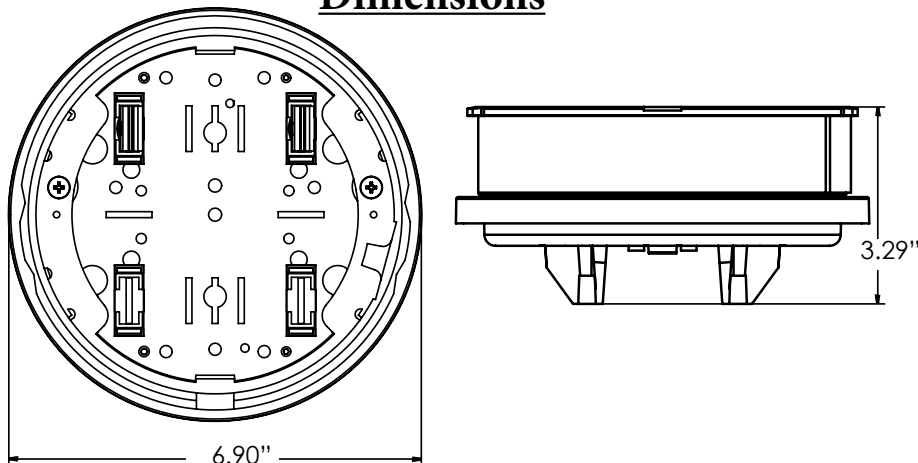
Specification & Features

UV Stabilized Plastic
Flame Rating: 5VA/V-0 (Grey), HB (colors)
Polycarbonate (Fiberglass Reinforced Grey)
2.4" Standard Profile Stand-Out Height
1.5" Low Profile Stand-Out Height
Available With Meter Non-Energized



The AE Products Stay Hot with Potential/Service Disconnect disconnects customer load but maintains power to the electronic meter. The meter maintains reading and communications link for AMR/AMI operations while disabling the load side.

Dimensions



Model Number Configuration

(Diagrams are not to scale)

SDA - LP - 02S - 01 / EME - _____

Standard Size	Conversion	Color	Options (multiple options allowed)	
SP - Standard Profile	Meter Form	01 - Gray	Service Disconnect Adapter	Ground
LP - Low Profile	01S - 1S	02 - Black	EME - Electronic Meter Energizing without Tilt	GND - Meter Ground (Strap)
	02S - 2S	03 - Blue	TLT - Meter Tilt Visual Indication, Non-Energized	Jaw Blade Configuration
	03S - 3S	04 - Clear	EMT - Electronic Meter Energizing & Meter Tilt Visual Indication	JB3 - 3 o'clock position
	04S - 4S	05 - Fern Green		JB6 - 6 o'clock position
	05S - 5S	06 - Fluor Green		JB9 - 9 o'clock position
	07S - 7S	07 - Orange		
	12S - 12S	08 - Red		
	13S - 13S	09 - Pink		
	14S - 14S	10 - Off White	LED Diagnostics	
	15S - 15S	11 - Yellow	LNG - Line Side Status (Green)	
	16S - 16S		LNR - Line Side Status (Red)	
	17S - 17S		LDG - Load Side Status (Green)	
	24S - 24S		LDR - Load Side Status (Red)	
	35S - 35S		PWR - Power On (Red)	
	45S - 45S			

Note: You may add additional options as needed by extending the model number.

50AMP Disconnect



Specification & Features

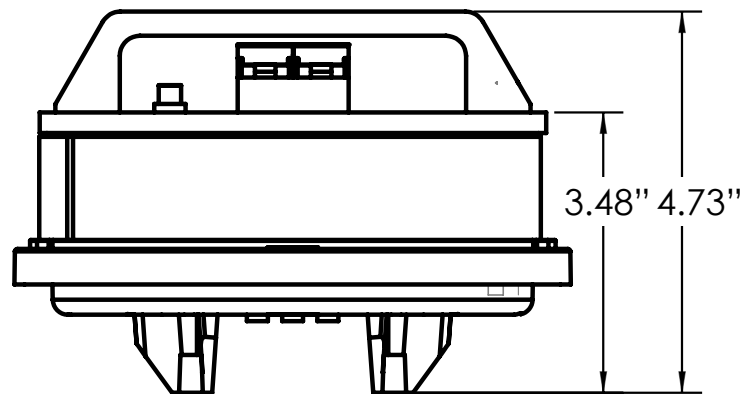
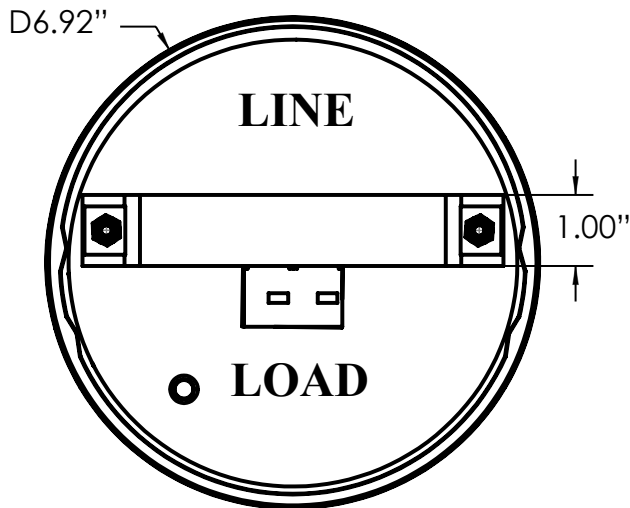
UV Stabilized Plastic
Flame Rating: 5VA/V-0 (Grey), HB (colors)
Polycarbonate (Fiberglass Reinforced Grey)
NEMA 1
Sturdy Handle for Easy Installation & Removal
ANSI C12
10kAIC @ 480V
120/240V or 240/480V
Narrowed Stabs for Easier Insertion and Withdrawal with Bypass Handle Down
50A, 2-Pole, Trip Curve C Breaker
Load Side Power Indicator Light
Use with Bypass Meter Sockets (12S & 2S Meter Forms)



This device is NOT intended for Continuous Use.
Keep Dry. Do Not Use in Rain.

The AE Products 50amp Disconnect safely allows operation of the lever bypass.

Dimensions



(Diagrams are not to scale)

Model Number	Description
SDA-50-01/01	50 Amp Disconnect in Grey
SDA-50-01/07	50 Amp Disconnect in Orange
SDA-50-01/08	50 Amp Disconnect in Red



Section 2

Jumpers

Meter Socket Jumper



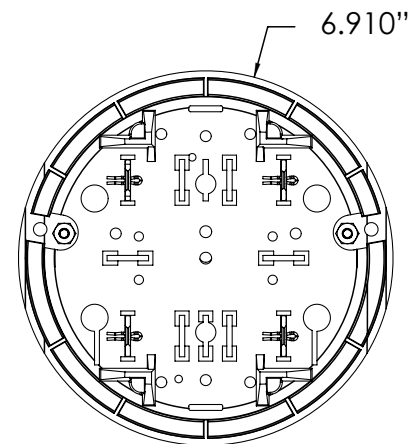
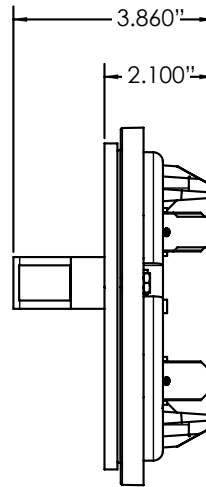
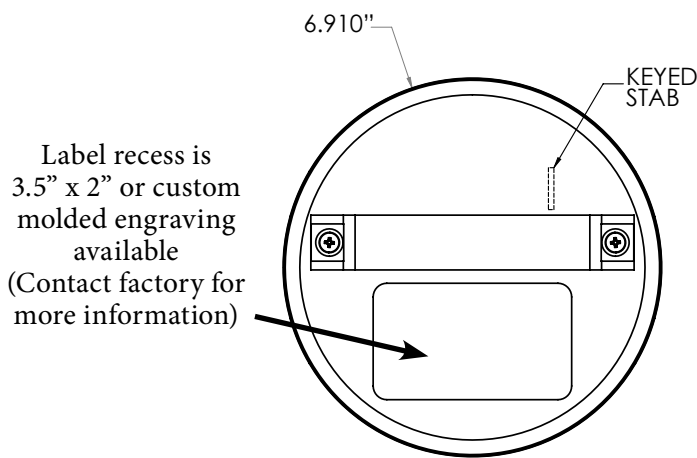
Specification & Features

UV Stabilized Plastic
Flame Rating: 5VA/V-0 (Grey), HB (colors)
Polycarbonate (Fiberglass Reinforced Grey)
Listed to UL 414
Sturdy Handle for Easy Installation & Removal
320 Amp Continuous with (optional) keyed stab
Single or Polyphase
Comes Standard with Tamper-proof Screws
Custom Molded Engraving Available



The AE Products Meter Socket Jumpers offer a safe and easy means of bypassing a meter socket where an electric meter is not needed. The Socket Jumper can be used with either ring or ringless style meters (See Page 5) and is designed to take the place of the normal meter.

Dimensions



Model Number Configuration

(Diagrams are not to scale)

JMP - BA - 02S - 07 / _____

Meter Form

01S - 1S
02S - 2S
12S - 12S
14S - 14S
15S - 15S
16S - 16S

Color

01 - Gray
02 - Black
03 - Blue
04 - Clear
05 - Fern Green
06 - Fluor Green
07 - Orange
08 - Red
09 - Pink
10 - Off White
11 - Yellow

Handle Color

01 - Gray
02 - Black
07 - Orange

Keyed

K - Keyed
(available for
320Amp only)

Jumper Blades

Material Specification & Features

Maximum 320 Amp Capacity

Sold in Sets of 2

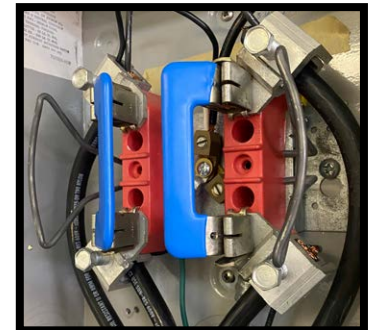
Coated or Uncoated

Straight, Angled or Shortened

Optional Keyed Blade for 320Amp



Keyed for 320Amp



The AE Products Jumper Blades offer a safe and easy means of bypassing a meter socket. The Jumper Blades can be used with either ringless or ring style meters. Angled blades and shortened blades are for use under a disconnect/blank-off cover. (See page 12 - 13 for disconnect/blank-off cover)

Model Number Configuration

JMP - CB - 08 / _____

Blade Coating

CB - Coated Blades

CA - Coated Angled (bent)

CS - Coated Shortened

UB - Uncoated Blades

UA - Uncoated Angled (bent)

US - Uncoated Shortened

Coating Color

02 - Black

08 - Red

Keyed

K - Keyed

(not available on shortened blades)

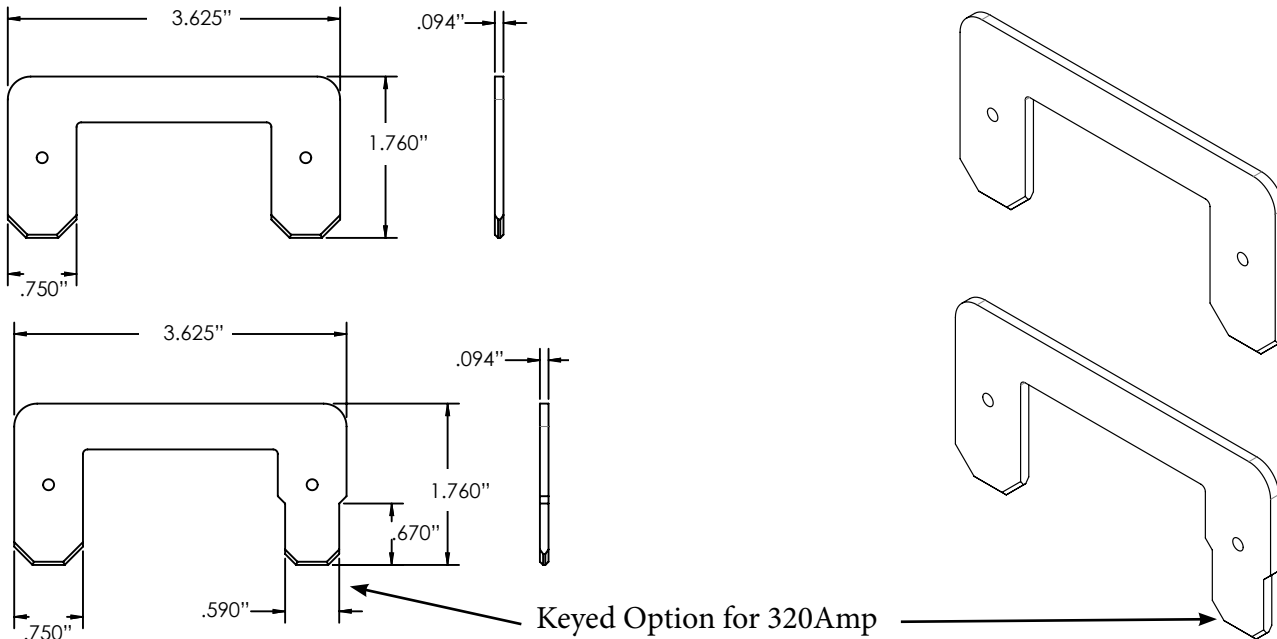
Note: Additional color options available for coating. Contact the factory for details.

Jumper Blades

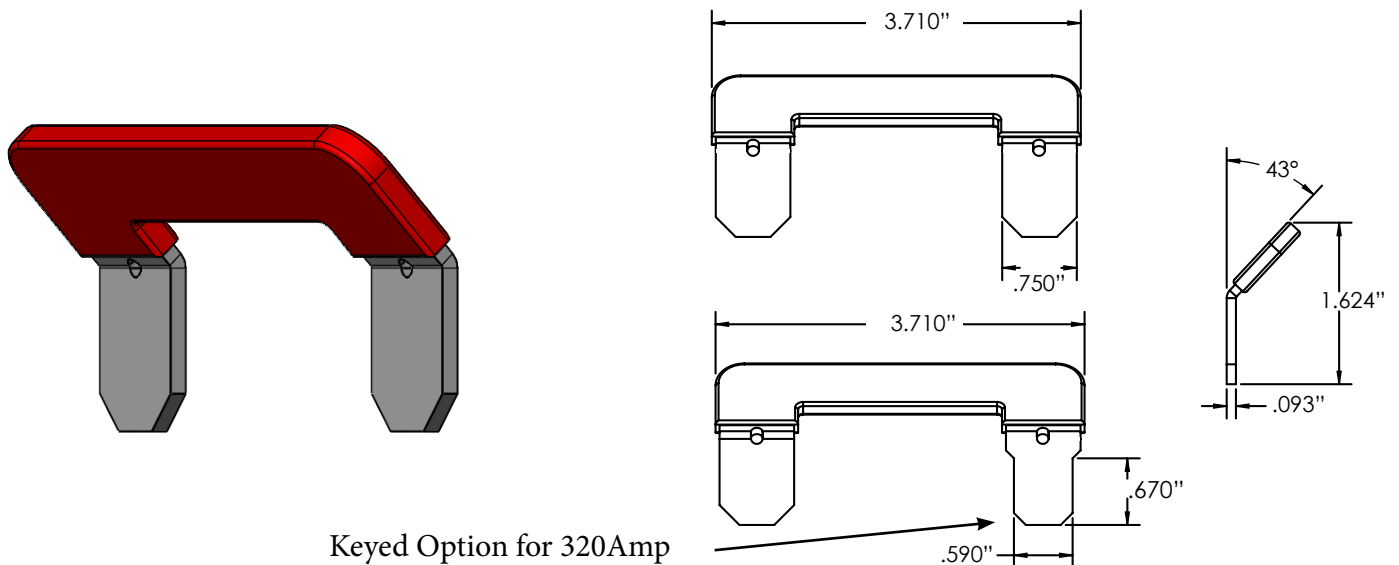


Dimensions

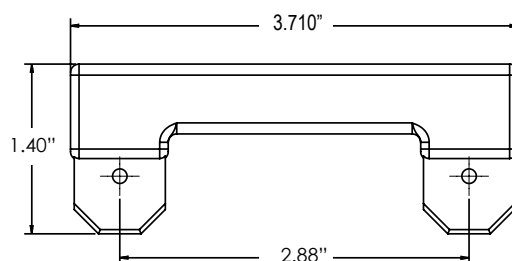
Straight, Uncoated Blades



Angled, Coated Blades



Short, Coated Blades



(Diagrams are not to scale)



Section 3

Meter Form Converters

Meter Socket Form Converter



Specification & Features

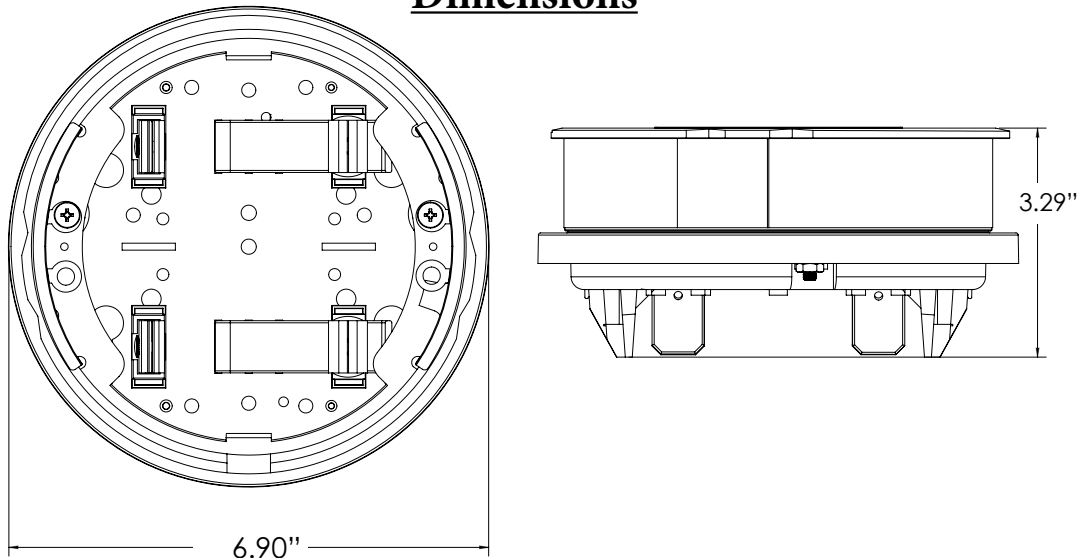
UV Stabilized Plastic
Flame Rating: 5VA/V-0 (Grey), HB (colors)
Polycarbonate (Fiberglass Reinforced Grey)
External Ground Connection Available
Meets all ANSI and UL Dimension Requirements for Meter Sockets
Offered in Standard Profile (2.4" Stand-out) and Low Profile (1.5" Stand-out)



The AE Products Meter Socket Converter will convert various meter forms to fit the desired application.
Example:

A three phase service converted to a single phase.

Dimensions



Model Number Configuration

(Diagrams are not to scale)

CNV - LP - 16S - 01 / 02S - GND

Standard Size	Meter Box (Socket)	Color	Conversion	Ground
LP - Low	Form	01 - Gray	Meter Form	GND - Meter Ground
Profile	12S - 12S	02 - Black	02S - 2S	(Strap)
SP - Standard	14S - 14S	03 - Blue		
Profile	15S - 15S	04 - Clear		
	16S - 16S	05 - Fern Green		
	25S - 25S	06 - Fluor Green		
		07 - Orange		
		08 - Red		
		09 - Pink		
		10 - Off White		
		11 - Yellow		

Additional conversions are available. Please contact the factory for all options.

Note: You may add additional options as needed by extending the model number



Section 4

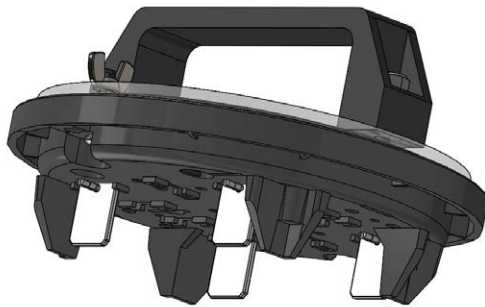
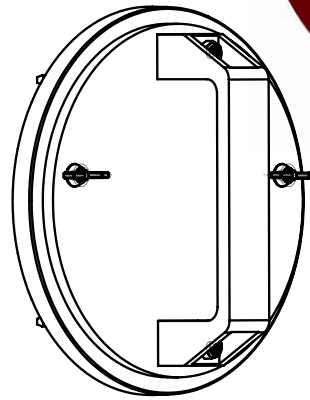
Testers

Single Phase Socket Tester



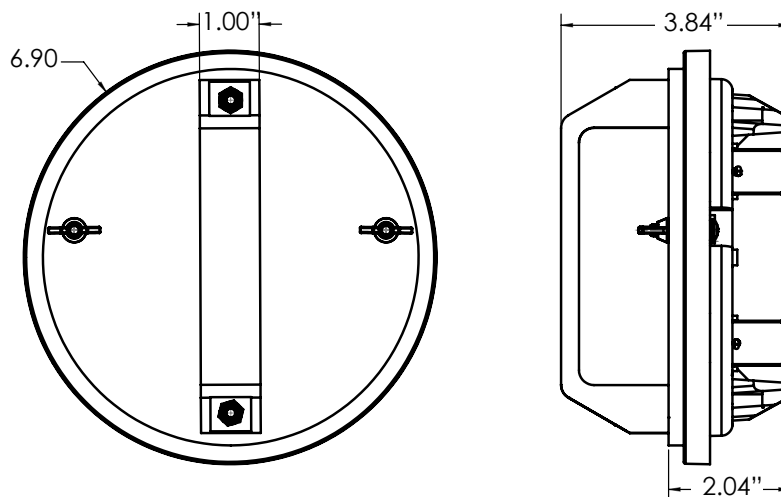
Specification & Features

120/240 Volt*
UV Stabilized Plastic
Flame Rating: 5VA/V-0 (Grey), HB (colors)
Polycarbonate (Fiberglass Reinforced Grey)
Sturdy Handle for Easy Installation & Removal
4 Jaw Design - 2S & 12S Meter Forms
2 Spare Fuses Provided Inside Device



The AE Products Single Phase Socket Tester detects short circuits, backfeed and wiring errors in a 120/240 Volt, 3-wire, single phase, self-contained socket. This unit is equipped with high intensity power and fault lights to indicate whether or not the meter is safe to install. The heavy duty handle allows for quick and easy installation and removal.

Dimensions



(Diagrams are not to scale)

Model Number	Description
AES-120-02S-08/01	Single Phase Socket Tester comes standard with red base and gray handle

Other color options available for base and handle. Contact factory with inquiries.

*See also Polyphase Socket Tester and Polyphase 600 Socket Tester for additional voltages.

Polyphase Socket Tester

Specification & Features

277/480 Volt*

UV Stabilized Plastic

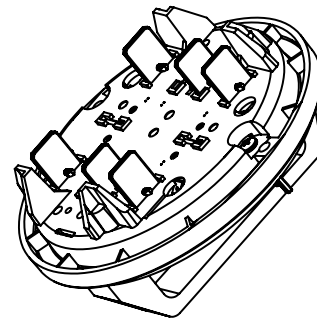
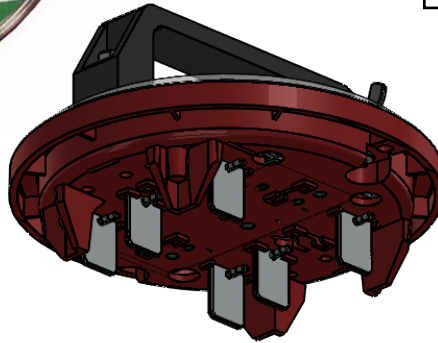
Flame Rating: 5VA/V-0 (Grey), HB (colors)

Polycarbonate (Fiberglass Reinforced Grey)

Sturdy Handle for Easy Installation & Removal

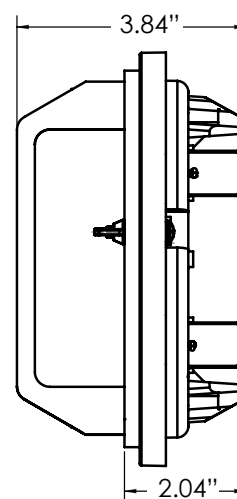
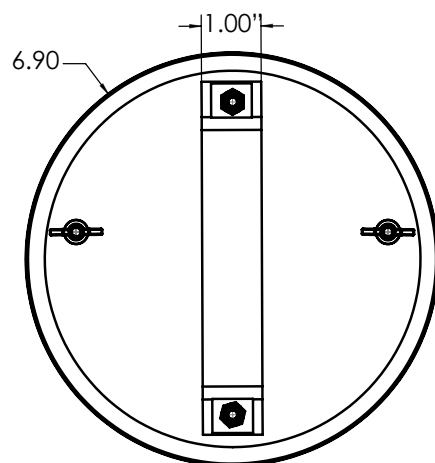
6 Jaw Design - 15S & 16S Meter Forms

2 Spare Fuses Provided Inside Device



The AE Products Polyphase Socket Tester detects short circuits, backfeed and wiring errors in a 277/480 Volt socket. This unit is equipped with high intensity power and fault lights to show whether or not the meter is safe to set. It comes with a heavy duty handle for quick and easy installation and removal.

Dimensions



(Diagrams are not to scale)

Model Number	Description
AES-277-08/01	Polyphase Socket Tester comes standard with red base and gray handle

Other color options available for base and handle. Contact factory for inquiries.

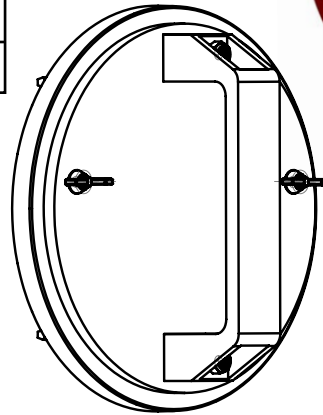
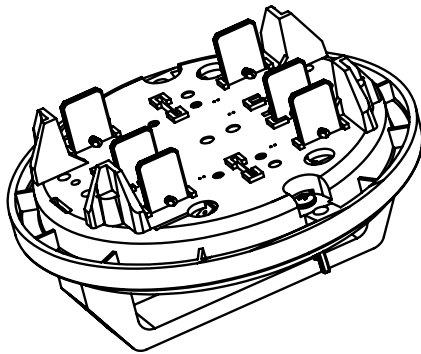
*See also Single Phase Socket Tester and Polyphase 600 Socket Tester for additional voltages.

Polyphase 600V Socket Tester



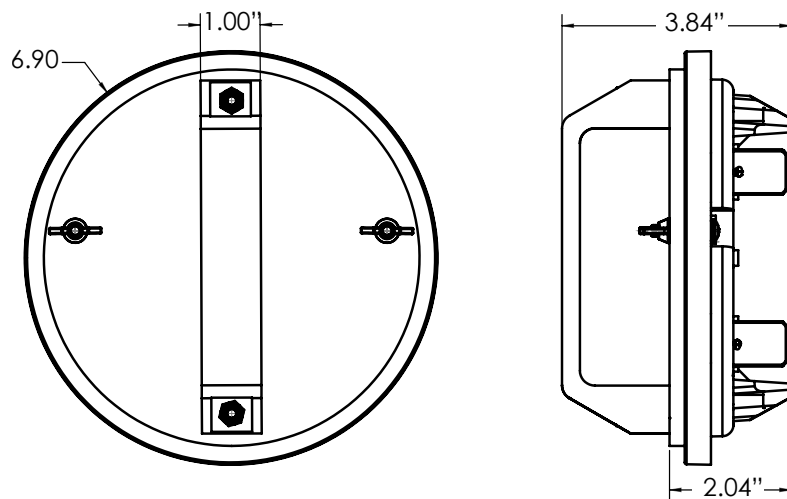
Specification & Features

600 Volt*
UV Stabilized Plastic
Flame Rating: 5VA/V-0 (Grey), HB (colors)
Polycarbonate (Fiberglass Reinforced Grey)
Sturdy Handle for Easy Installation & Removal
6 Jaw Design - 15S & 16S Meter Forms
2 Spare Fuses Provided Inside Device



The AE Products Polyphase 600V Socket Tester detects short circuits, backfeed and wiring errors in a 600 Volt socket. This unit is equipped with high intensity power and fault lights to show whether or not the meter is safe to set. It comes with a heavy duty handle for quick and easy installation and removal.

Dimensions



(Diagrams are not to scale)

Model Number	Description
AES-600-08/01	Polyphase 600V Socket Tester comes standard with red base and gray handle

Other color options available for base and handle. Contact factory with inquiries.

*See also Single Phase Socket Tester and Polyphase Socket Tester for additional voltages.

Load Indicating Socket Tester

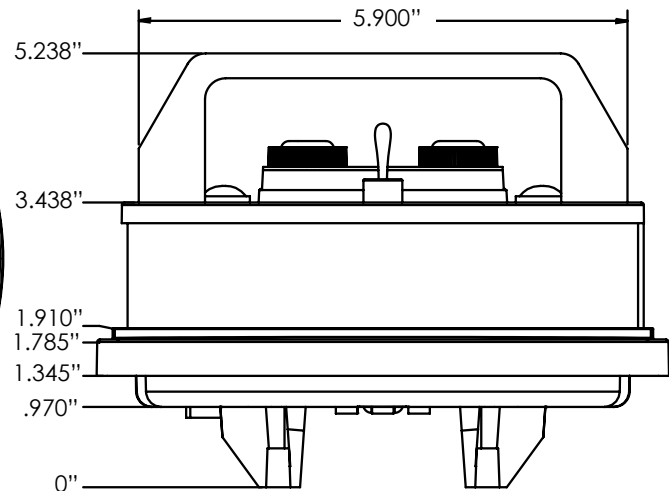
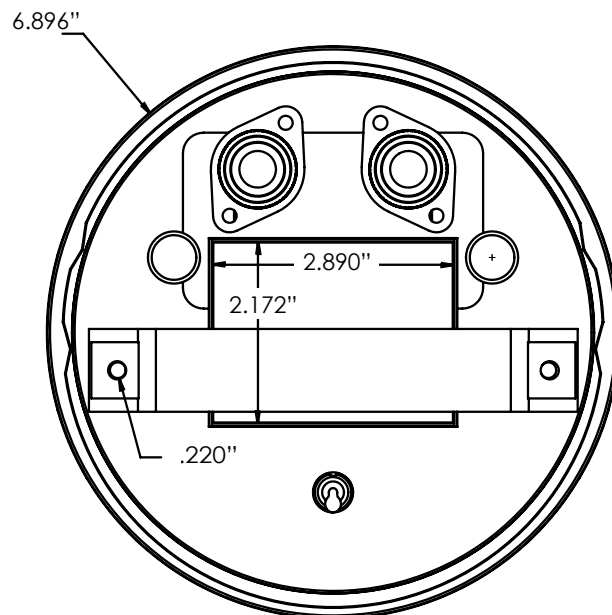
Specification & Features

UV Stabilized Plastic
Flame Rating: 5VA/V-0 (Grey), HB (colors)
Polycarbonate (Fiberglass Reinforced Grey)
Sturdy Handle for Easy Installation & Removal
Indication Lights to Show Faults and Backfeed
For Testing Form 1S, 2S, 12S and 25S



The AE Products Load Indicating Socket Tester detects the connected load inside the facility before setting the meter. This device also safely checks for phase-to-phase ground faults at the meter socket. This tester detects level of current that is going into the facility.

Dimensions



(Diagrams are not to scale)

Model Number	Description
AES-LOAD-01/08	Load Indicating Socket Tester with Gray Base and Red Handle

UEA-200VT2 Voltage Tester



Mechanical Specifications

Meets ANSI & UL Dimension Requirements
For Ringless & Ring Style Meter Sockets
UV Stabilized Plastic
Flame Rating: UL 94-5V
Fiberglass Reinforced Polycarbonate
Sturdy Handle for Easy Removal
Dielectrically Isolated Bus Bars
Solid Copper Bus Bars
For 2s Meter Sockets

Features

- Provides digital accuracy & reliability
- Reads line side jaws
- Functions on troubled circuits such as one leg open or an open neutral
- Has provisions for an external neutral/ground connection for better accuracy
- Has internal over-current protection
- Does not connect load
- Replaceable 9V battery

The UEA-200VT2 provides utility personnel with a safe and effective means to measure line voltage at the meter socket. Equipped with a digital meter, the UEA-200VT2 is capable of measuring L1-N, L2-N & L-L voltages and determine that the socket has been successfully de-energized.

Model Number	Description
UEA-200VT2	Line Voltage Socket Tester with Gray Base and Black Handle



Section 5

Temporary Power/Service Interface Adapters

Emergency Power

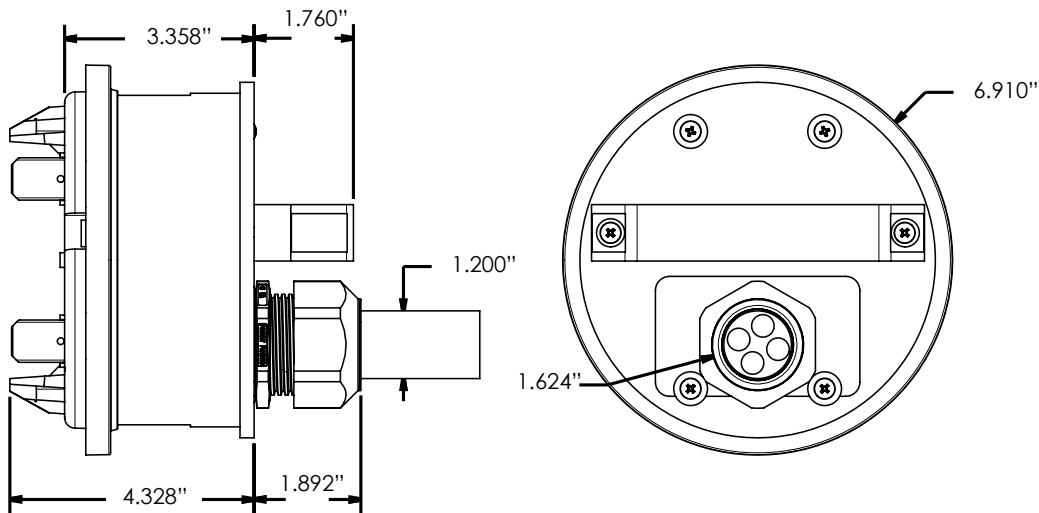


Specification & Features

UV Stabilized Plastic
Flame Rating: 5VA/V-0 (Grey), HB (colors)
Polycarbonate (Fiberglass Reinforced Grey)
Single Phase & Three Phase Configurations
Line, Load, & Power Present Warning Light (optional)
Cable Size Available up to #2/4SO
Cable Size Determines System Amperage
Compatible with 200Amp or 320Amp Meter Sockets

The AE Products Emergency Power unit provides power to a facility through an external power source like a generator (FAC). This device can also be configured to extract power from a facility through the meter socket in order to feed an external location. The power extracting version can be designed to maintain power at the facility (DIV) or to isolate power solely to the external location keeping the facility dead (EXT).

Dimensions



Model Number Configuration

(Diagrams are not to scale)

TMI - SP - 02S - 01 / _____ - _____

Meter Form

01S - 1S
02S - 2S
12S - 12S
13S - 13S
14S - 14S
15S - 15S
16S - 16S

Options(multiple options allowed)

Power Options (required)

DIV - Power to Facility & External
EXT - Power to external Location Only
FAC - Power to Facility Only

LED Diagnostics

LNG - Line Side Status (Green)
LNR - Line Side Status (Red)
LDG - Load Side Status (Green)
LDR - Load Side Status (Red)
PWR - Power Present (Red)

Additional customizations are available. Please contact the factory for all additional options such as cord length and cable end receptacle/plug.

Note: You may add additional options as needed by extending the model number

Temporary Power Bank

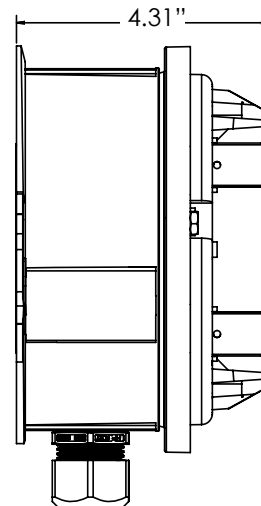
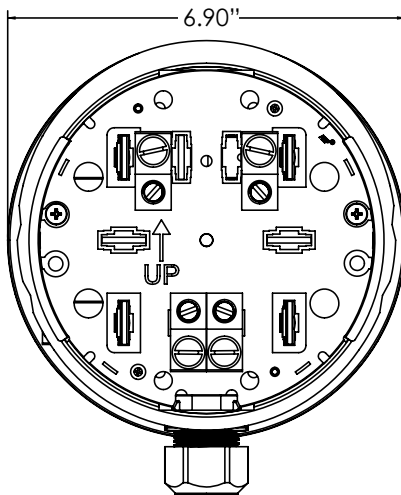
Specification & Features

UV Stabilized Plastic
Flame Rating: 5VA/V-0 (Grey), HB (colors)
Polycarbonate (Fiberglass Reinforced Grey)
Line and Load Power Present Warning Light
Compatible with 200Amp or 320Amp Meter Sockets
Compatible with 2S Meter Form
Connections are designed for #4 triplex SO



The AE Products Temporary Power Bank offers electric utilities a quick and easy means of restoring power to a customer's residence via a neighboring service during emergency and after-hours scenarios. The Temporary Power Bank is a two part system utilizing AEP's meter adapters. The donor adapter can be easily installed on a neighboring meter in order to temporarily draw power. The recipient adapter would be installed on the meter that is experiencing an interruption in service. (Contact factory for information regarding cables)

Dimensions



Model Number Configuration

(Diagrams are not to scale)

TPB - SP - 02S - 01 / _____

Contact factory for information regarding cables

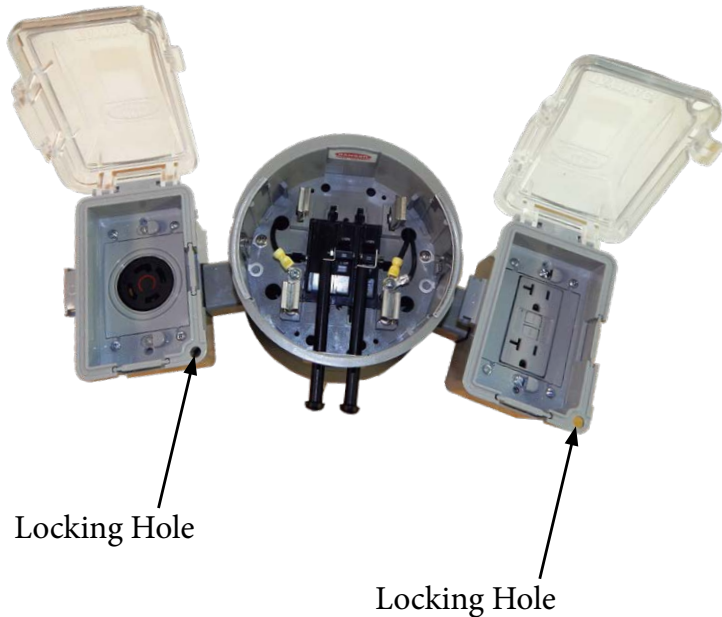
Color

- 01 - Gray
- 02 - Black
- 03 - Blue
- 04 - Clear
- 05 - Fern Green
- 06 - Fluor Green
- 07 - Orange
- 08 - Red
- 09 - Pink
- 10 - Off White
- 11 - Yellow

Additional customizations are available. Please contact the factory for all options.

Note: You may add additional options as needed by extending the model number

Temporary Power Outlet - IS



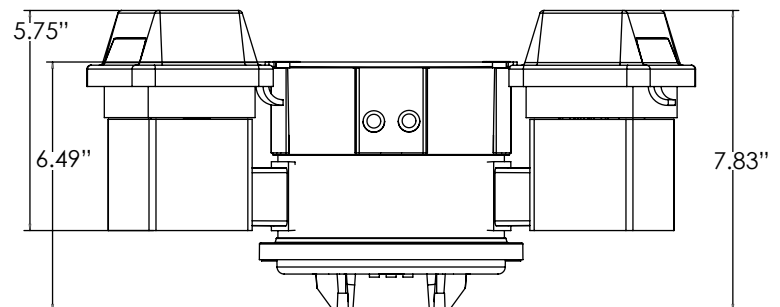
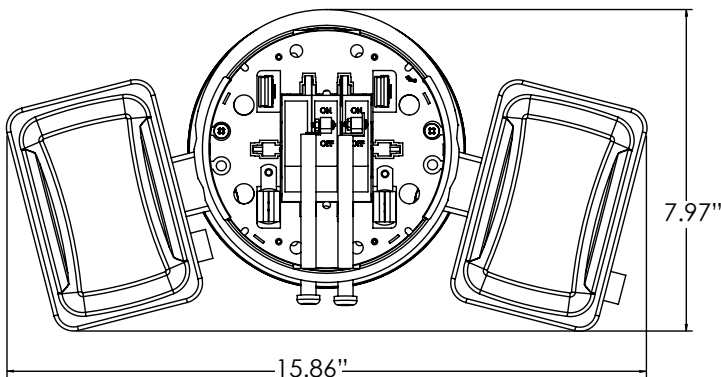
Specification & Features

UL Listed Components
Isolated Load Side Jaw Blades*
Protection of Meter with Proven Surge Ground System
Meter Adapter made with: UV Stabilized Plastic Flame Rating: 5VA/V-0 (Grey), HB (colors) Polycarbonate (Fiberglass Reinforced Grey)
Eliminates the need for portable generators
Ground-fault and over-current protected outlet
Reusable Unit
RotoLock Mechanism Option Available (See Page 6)

* No Power is Provided to Load Side of Meter Socket

The AE Products Temporary Power Outlet (IS) is ideal for use in a variety of applications where power is not available. This device helps utilities provide temporary electrical service by isolating power from the breaker panel. The AE Products TPO is a perfect fit for use in emergency situations such as hurricane restoration, storm outages, fire damage and more. This versatile device can also be used for motor homes, travel trailers, marine shore power, temporary power at construction sites and solar pump stations.

Dimensions



(Diagrams are not to scale)

Model Number	Description
TPO-IS-02S-01/L1420-GFCI20	Temporary Power Outlet with NEMA L14-30R Twist Lock and GFCI 20amp Standard 520 Receptacle
TPO-IS-02S-01/GFCI20-GFCI20	Temporary Power Outlet with (2) GFCI 20amp Standard 520 Receptacle
TPO-IS-02S-01/TT30R-GFCI20	Temporary Power Outlet with Trailer/Motor Home Hookup and GFCI 20amp Standard 520 Receptacle

Option: Replace GFCI20 with GFCI20USB for (2) USB plugs integrated in receptacles.

Other Configurations Available. Please Contact Factory for More Details.



Section 6

Surge Protection

SSA Series



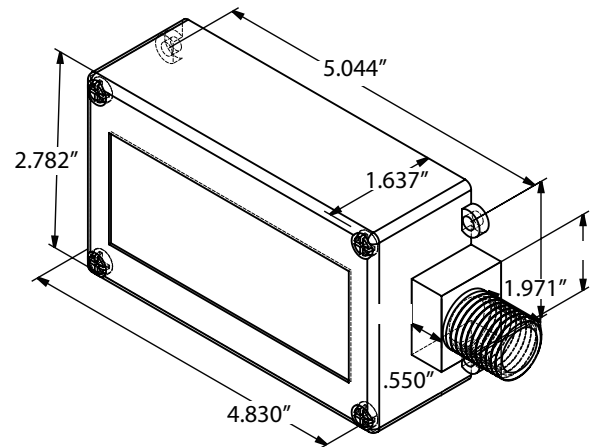
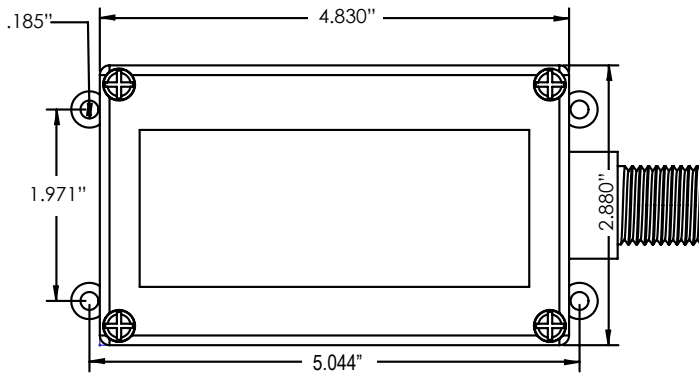
Specification & Features

I_n (nominal discharge current)	10/20 kA
Max Surge Current	50kA per Phase
Max Load Current	up to 800 Amps Continuous
Fusing*	Thermal and Short Circuit Fusing
Short Circuit Current**	100kA RMS Symmetrical Amps
Housing Rating	NEMA 4X, 6P
Diagnostics	Fiber Optics/LED
Enclosure	Polycarbonate (alternate enclosures available)
Safety Standards	UL 1449
Operating Frequency	50/60 Hz
Nipple Options	Available in 1/2" & 3/4" Nipple Thread
*No external fusing required. **Required by ANSI/UL 1449.	



AE Product's SSA Series, is a Type 1 and Type 2 surge protection device listed to ANSI/UL1449. Other listed surge protection devices available. Contact the Factory.

Dimensions



Model Number Configuration

(Diagrams are not to scale)

Model Number	Service Voltage	MCOV	VPR			
			L - N	L - G	N - G	L - L
SSA-120/050-2	120/240 Single	150	600	600	1200	-
SSA-SP120/050	120/240 Split	150	600	1200	600	1200
SSA-3Y120/050	120/208 Wye	150	600	1200	600	1200
SSA-3HL120/050	120/240 Highleg	150	600/1000	1200/1800	600	1200/1800
SSA-3D240/050	240 Delta	320	-	1000	-	2000
SSA-SP240/050	240 Volt Two Phase	320	-	1000	-	2000
SSA-3Y277/050	277/480 Wye	320	1000	2000	1000	2000
SSA-3D480/050	480 Delta	550	-	1800	-	4000
SSA-120/050	120 Volt Single Phase	150	600	600	1200	-



Section 7

Meter Socket Interface
to External Connection

Meter Socket Interface



Specification & Features

UV Stabilized Plastic
Flame Rating: 5VA/V-0 (Grey), HB (colors)
Polycarbonate (Fiberglass Reinforced Grey)
Single or Dual Cavity Options (See Page 7)
RotoLock Mechanism Option Available (See Page 6)
1.5" Minimum Stand-out Height for Internal Units (See Page 7)
2.4" Minimum Stand-out Height for External Units (See Page 7)
4.7" Maximum Stand-out Height for Internal & External Units using Extension Collar on Page 53 (See Page 7)



The AE Products Meter Socket Interface is the ideal solution for OEM equipment that needs to be incorporated into a Meter Base application. The internal version of the INT interfaces internally for common industry modules such as switching circuits, monitoring circuits and communication circuits. While the external version has an attached box where components can be installed.

Model Number Configuration

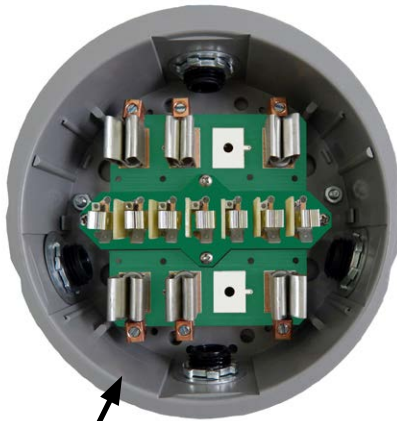
MSI - IDC - 02S - 01 / 265 - _____

Socket Extender	Meter Form	Color	Options (multiple options allowed)		
IDC - Internal	01S = 1S	01 - Gray	First 5 available for internal units only	Stand-out Height (required) 150 - 1.50" 175 - 1.75" 200 - 2.00" 225 - 2.25" 230 - 2.30" 240 - 2.40" 250 - 2.50" 265 - 2.65" 275 - 2.75" 290 - 2.90" 300 - 3.00" 315 - 3.15" 325 - 3.25" 340 - 3.40" 350 - 3.50" 365 - 3.65" 375 - 3.75" 390 - 3.90" 400 - 4.00" 415 - 4.15" 425 - 4.25" 440 - 4.40" 465 - 4.65" 470 - 4.70"	Coupler SQC - Square Coupler
Dual Cavity	02S = 2S	02 - Black			
ISC - Internal	03S = 3S	03 - Blue			
Single Cavity	04S = 4S	04 - Clear			
EDC - External	05S = 5S	05 - Fern Green			Ground GND - Meter Ground (Strap)
Dual Cavity	12S = 12S	06 - Fluor Green			
ESC - External	13S = 13S	07 - Orange			
Single Cavity	14S = 14S	08 - Red			Jaw Blade Configuration JB3 - 3 o'clock position JB6 - 6 o'clock position JB9 - 9 o'clock position
	15S = 15S	09 - Pink			
	16S = 16S	10 - Off White			
		11 - Yellow			
			Enclosures K11 - Gray Box & Door K14 - Gray Box & Clear Door K22 - Black Box & Door K24 - Black Box & Clear Door K55 - Green Box & Door K54 - Green Box & Clear Door A11 - Premium Gray Box & Door S11 - Gray Box w/Screw-on Lid CSE - Customer Supplied Box	RotoLock Mechanism RL - RotoLock Mechanism	

Additional customizations are available.
Please contact the factory for all options.

Note: You may add additional options as
needed by extending the model number

Meter Socket Interface

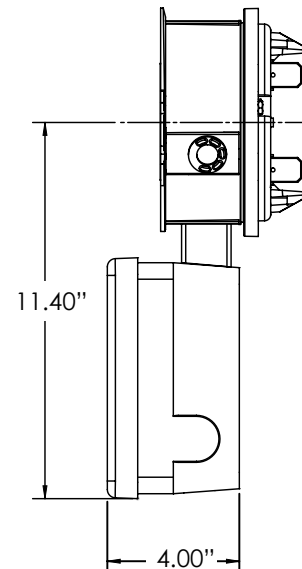
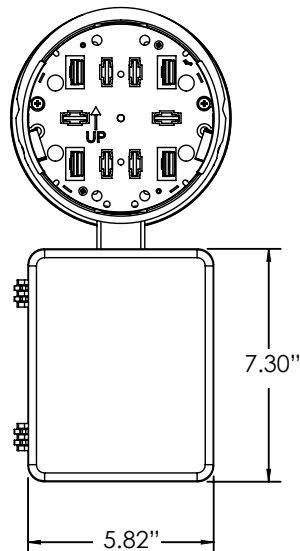


Universal Meter
Interface (UMI)
Up to 8 standard jaws and 7
potentials. Multiple
configurations available.

Various Boxes Available



Dimensions



(Diagrams are not to scale)



Section 8

Meter Socket Adapters

Meter Socket Adapter

Specification & Features

UV Stabilized Plastic
Flame Rating: 5VA/V-0 (Grey), HB (colors)
Polycarbonate (Fiberglass Reinforced Grey)
Fits Ring or Ringless Style Meter Sockets (See Page 5)
Listed to UL414
Meets all ANSI and UL Dimension Requirements for Meter Sockets
Listed for 200 AMP Continuous (250A Max in 200A Meter Socket)
Listed for 260 AMP Continuous (325A Max in 320A Meter Socket)
RotoLock Mechanism Option Available (See Page 6)



The AE Products Meter Socket Adapters may be used to convert meter sockets to test or control applications. Meter Socket Adapters can be used to easily convert a Ringless style meter socket to a Ring Style. These adapters can be custom machined to your specifications.

Additional Options Available:

- Surge Protection
- Wire Pass Through Hole
- Up to 10 Jaw Capacity
- External Ground Connection
- Polycarbonate Window with LED Holder
- Bus Bar 0.25 Slide or Threaded Connector
- 3 O'Clock Jaw Position Available for Load Management

Model Number Configuration

MSA - LP - 02S - 01 / _____ - _____

Standard Size	Conversion	Color	Options (Multiple Options Allowed)	
LP - Low Profile	Meter Form	01 - Gray	Diagnostics	Ground
SP - Standard Profile	01S - 1S	02 - Black	LEN - Lens/Window	GND - Meter Ground (Strap)
	02S - 2S	03 - Blue	LNG - Line Side Status (Green)	Jaw Blade Configurations
	03S - 3S	04 - Clear	LNR - Line Side Status (Red)	JB3 - 3 o'clock position
	04S - 4S	05 - Fern Green	LDG - Line Side Status (Green)	JB6 - 6 o'clock position
	05S - 5S	06 - Fluor Green	LDR - Line Side Status (Red)	JB9 - 9 o'clock position
	07S - 7S	07 - Orange	PWR - Power On (Red)	
	12S - 12S	08 - Red		
	13S - 13S	09 - Pink	RotoLock Mechanism	Protective Shield
	14S - 14S	10 - Off White	RL - RotoLock Mechanism	SHD - Shield
	15S - 15S	11 - Yellow	(Available on SP Version ONLY)	Surge Protection
	16S - 16S			SP1 - Single MOV Block
	17S - 17S			SP2 - Dual MOV Block
	24S - 24S			
	25S - 25S			
	35S - 35S			
	45S - 45S			

Note: You may add additional options as needed by extending the model number

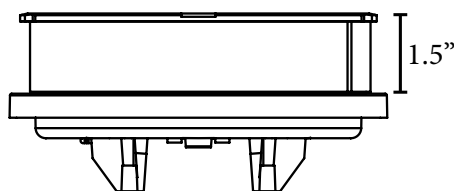
Customized Meter Socket Adapter



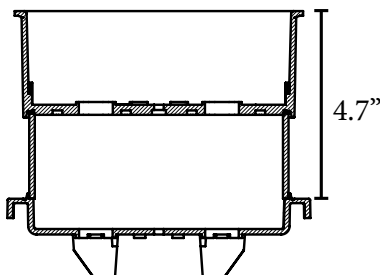
Specification & Features

UV Stabilized Plastic
Flame Rating: 5VA/V-0 (Grey), HB (colors)
Polycarbonate (Fiberglass Reinforced Grey)
External Ground Connection Available
Single Cavity Housing (Stand-out min. 1.5", max. 4.7" - See Page 7)
Dual Cavity Housing (Stand-out min. 2.4", max. 4.7" - See Page 7)
RotoLock Mechanism Option Available (See Page 6)

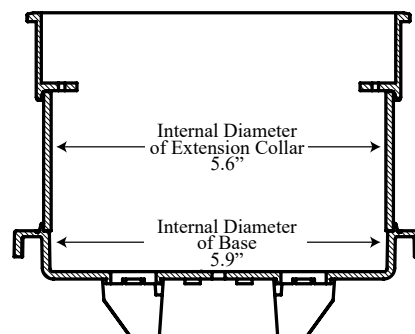
Dimensions



Minimum stand-out height 1.5"



Maximum Dual Cavity height 4.7"



(Diagrams are not to scale)

The AE Products Customized Meter Socket Adapter is designed for use on ringless or ring style meter sockets. (See Page 5) These Adapters come in a wide variety of stand-out dimensions (See Page 7) and are offered in single and dual cavity housings. (See Page 7) AEP Meter Socket Adapters are completely customizable and the perfect housing for all your needs.

Model Number Configuration

EXT - DC - 02S - 01 / 265 - _____

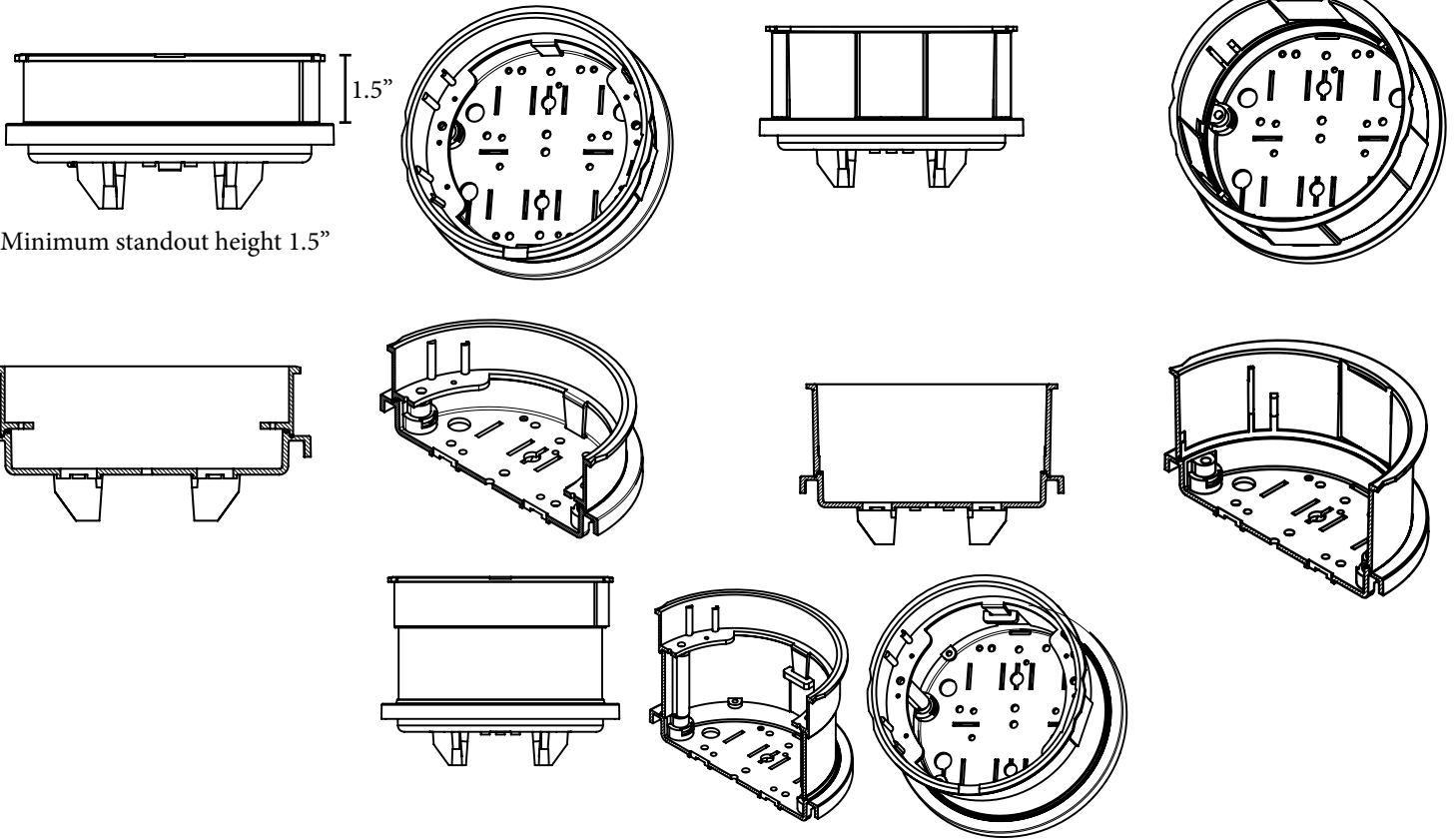
Socket Extender	Meter Form	Color	Options (multiple options allowed)		
DC - Dual Cavity	01S - 1S	01 - Gray	First 5 available in single cavity only	Stand-out Height (required)	Ground GND - Meter Ground (Strap)
SC - Single Cavity	02S - 2S	02 - Black			
	03S - 3S	03 - Blue			
	04S - 4S	04 - Clear			
	05S - 5S	05 - Fern Green			
	12S - 12S	06 - Fluor Green			
	13S - 13S	07 - Orange			
	14S - 14S	08 - Red			
	15S - 15S	09 - Pink			
	16S - 16S	10 - Off White			
		11 - Yellow			
				325 - 3.25"	Jaw Blade Configuration JB3 - 3 o'clock position JB6 - 6 o'clock position JB9 - 9 o'clock position
				150 - 1.50"	
				175 - 1.75"	
				200 - 2.00"	
				225 - 2.25"	
				230 - 2.30"	
				240 - 2.40"	
				250 - 2.50"	
				265 - 2.65"	
				275 - 2.75"	
				290 - 2.90"	
				300 - 3.00"	RotoLock Mechanism RL - RotoLock Mechanism (Available in certain configurations. Contact the factory for details)
				315 - 3.15"	
				470 - 4.70"	

Additional customizations are available.
Please contact the factory for all options.

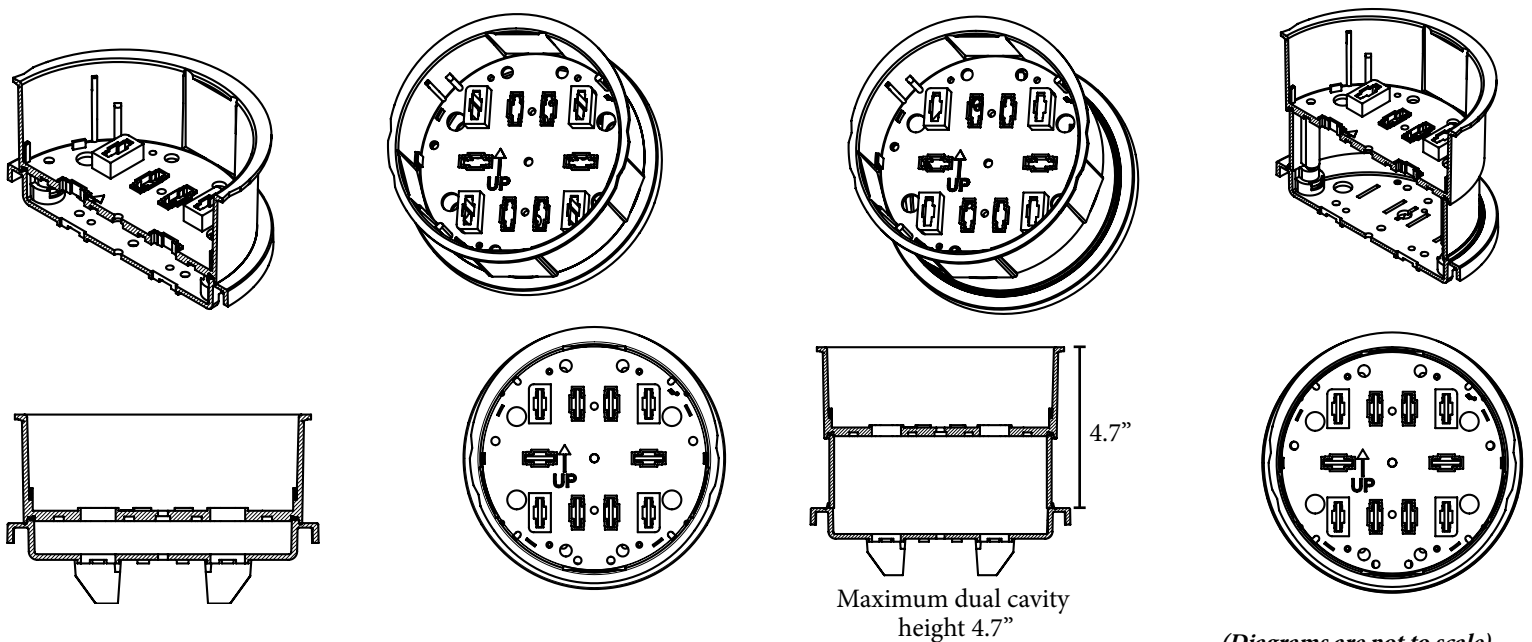
Note: You may add additional options as needed by extending the model number

Customized Meter Socket Adapter

Single Cavity



Dual Cavity



(Diagrams are not to scale)

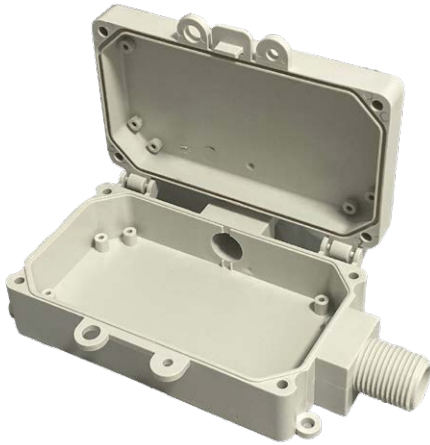


Section 9

Housings & Enclosures

Multipurpose Enclosure

Specifications & Features



Enclosure models without lid seal	Type 1
Enclosure models with lid seal and 2 lid screws	Type 1, 3
Enclosure models with lid seal and with 4 lid screws	Type 1, 3, 4, 4X, 6
Operating temperature range	-40°C to 85°C (silicone seal) -35°C to 60°C (nitrile seal)
Male Threaded Nipple	1/2" or 3/4" non-tapered
Female Threaded Hole	PG11 or M16 (for cord grips)
Enclosure UL 94 Rating	5VA/V-0 (Grey), HB (colors)
Enclosure Options	Hinged Lid, Internal Circuit Board Bosses, Alternate Colors, Lockable Clasp, Molded Threaded Male Electrical Conduit Nipple, Male thread can be changed to female threads

The AE Products Multipurpose Enclosure is a molded plastic enclosure for electrical or electronic equipment. The enclosure is intended for inside or outside use. The enclosure is intended to be used with fittings appropriate to the application in accordance with the NEC or connected directly to other enclosures by use of the molded nipple in accordance with the NEC. The enclosure is intended to be an End of Line electrical box and is not intended to form part of a safety grounding system.

Model Number Configuration

MPB - 01 / NB - NL - _____

Box Color

01 - Gray
02 - Black
03 - Blue
04 - Clear
05 - Fern Green
06 - Fluor. Green
07 - Orange
08 - Red
09 - Pink
10 - Off White
11 - Yellow

Options (Multiple options allowed)

PCB Mounts (Bosses)

NB - No Bosses
LB - Lid Bosses
BB - Box Bosses

Nipple Location

NN - No Nipple
NL - Nipple, Long Side
NS - Nipple, Short Side
NB - Nipple Both Sides

Internal Threading (Instead of Nipple)

ML - M16 Female Thread, Long Side
MS - M16 Female Thread, Short Side
MB - M16 Female Thread, Both Sides

Internal Threading (Instead of Nipple)

PL - PG11 Female Thread Long Side
PS - PG11 Female Thread, Short Side
PB - PG11 Female Thread, Both Sides

Lid Seal

LS - Lid Seal (Internal O-Ring)
L1 - Lid 1 Screw
L2 - Lid 2 Screws
L3 - Lid 3 Screws
L4 - Lid 4 Screws

Nipple Size

12 - 1/2"
34 - 3/4"

Hinge

NH - No Hinge or Clasp
HC - Hinge & Clasp
HG - Hinge Only
CC - Clasp Only

Lid Color

01 - Gray Lid
02 - Black Lid
03 - Blue Lid
04 - Clear Lid
05 - Fern Green Lid
06 - Fluor. Green Lid
07 - Orange Lid
08 - Red Lid
09 - Pink Lid
10 - Off White Lid
11 - Yellow Lid

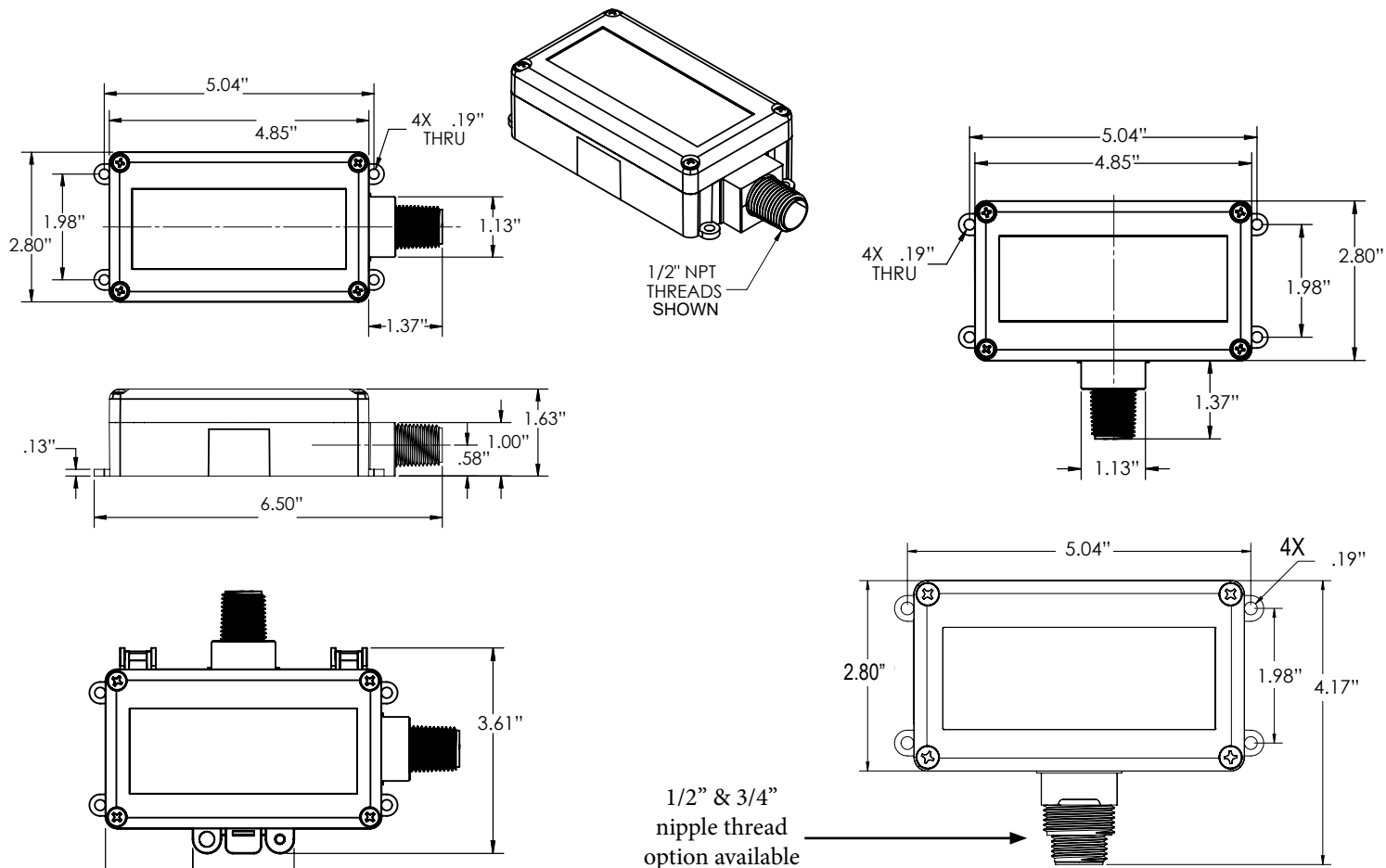
This box offers a great deal of customization extending even beyond the details shown here. Please contact the factory if you have any questions or if you are looking for something specific. We can work with you to create the box you need for your project.

Note: You may add additional options as needed by extending the model number.

Multipurpose Enclosure

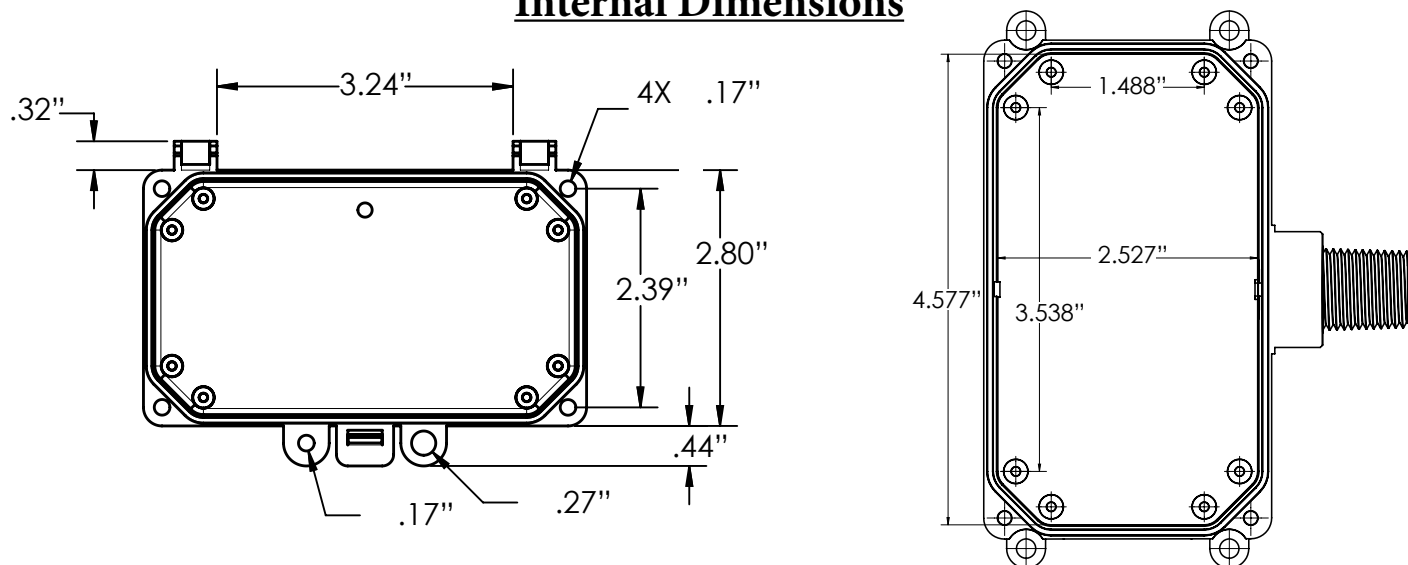


Exterior Dimensions



(Diagrams are not to scale)

Internal Dimensions



(Diagrams are not to scale)

Multipurpose Box

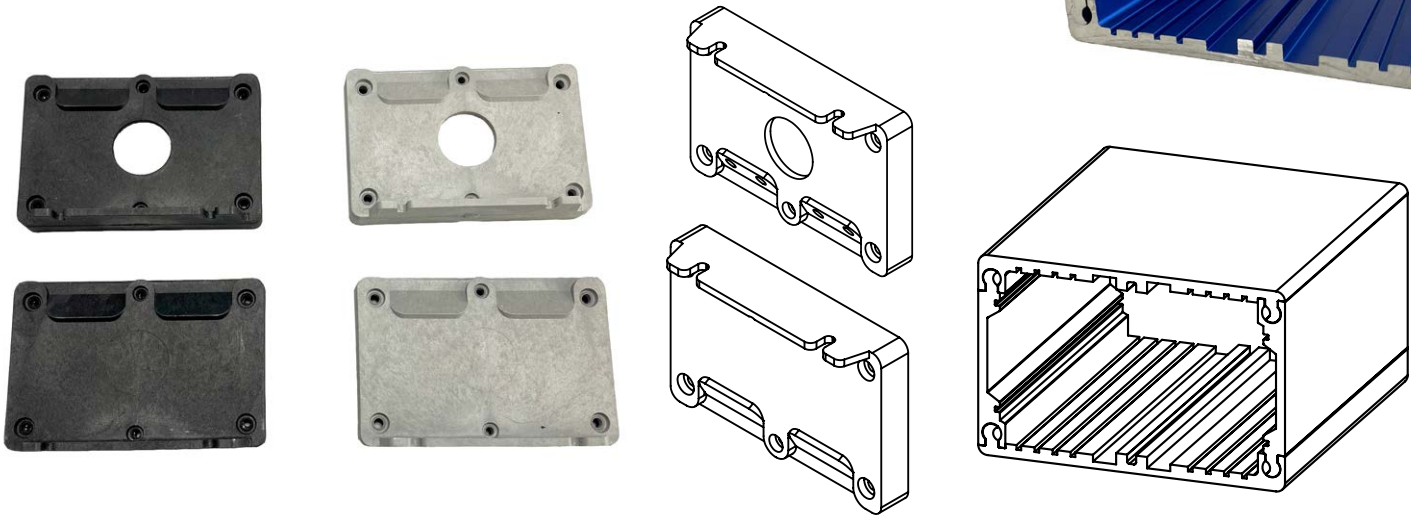
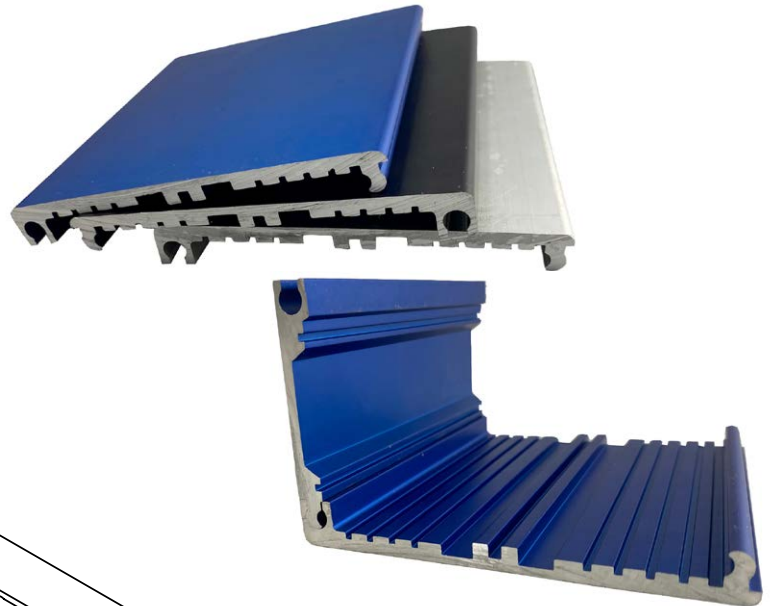


Extruded Enclosure



Specification & Features

6063-T6 #1 Mill Finish Aluminum
Meets NEMA Requirements 1, 2, 3, 3S, 4, 4X, 5, 12 & 13
Circuit Board Slots, "T" Slots
Zytel, UL 945VA End Caps
LED Mounting Holes on End Caps (Max. 4 LED's)
3/4" End Cap Conduit Opening
Anodized (Black or Blue) or Mill Finished
Din Rail Mounting Kit



The AE Products Extruded Housings are 4 panel interlocking aluminum box with end caps.

Model Number Configuration

EXE - **00** / **03** - _____

Box Finish

00 - Mill Finish
02 - Black Anodized
03 - Blue Anodized

Options (Multiple options allowed)

Aluminum Length

01 - 1"
02 - 2"
Min 1", Max 72"

End Caps

ECB - End Cap Black
ECG - End Cap Gray
ECM - End Cap Metal

3/4" Conduit Opening

CN - Single Conduit Opening

LED Mounting Holes in End Caps

L1 - One LED Hole
L2 - Two LED Holes
L3 - Three LED Holes
L4 - Four LED Holes

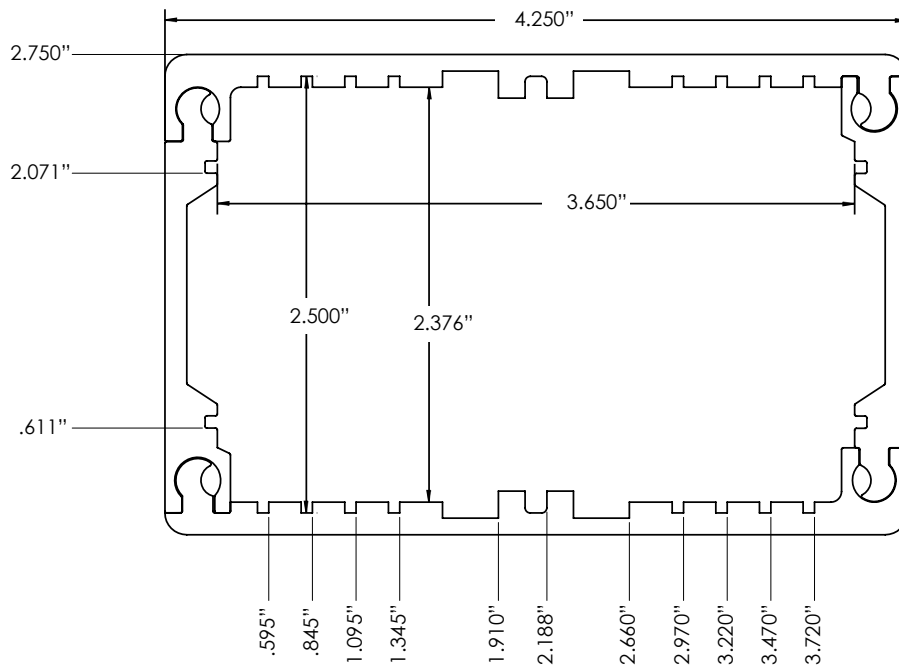
Din Rail Mounting Kit

DR - Din Rail Mount

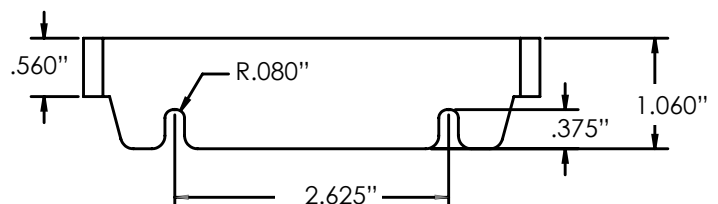
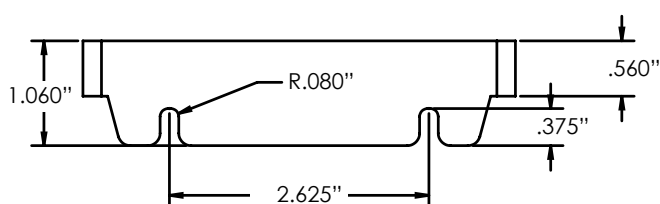
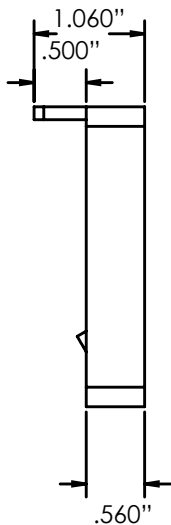
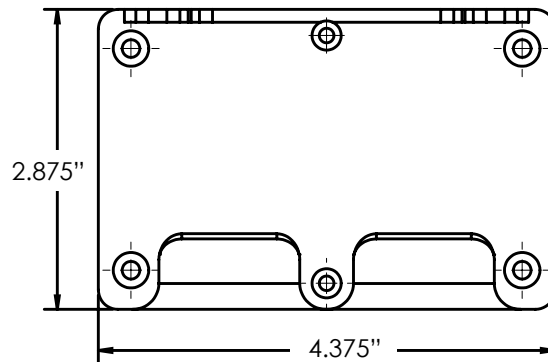
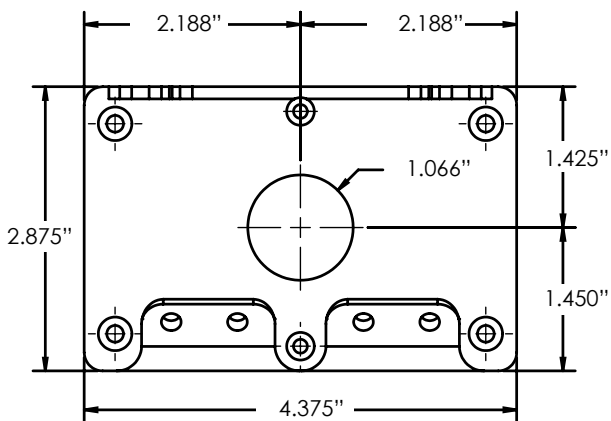
Note: You may add additional options as needed by extending the model number.

Extruded Enclosure

Enclosure Dimensions



End Cap Dimensions



(Diagrams are not to scale)

Hinged Door Enclosure

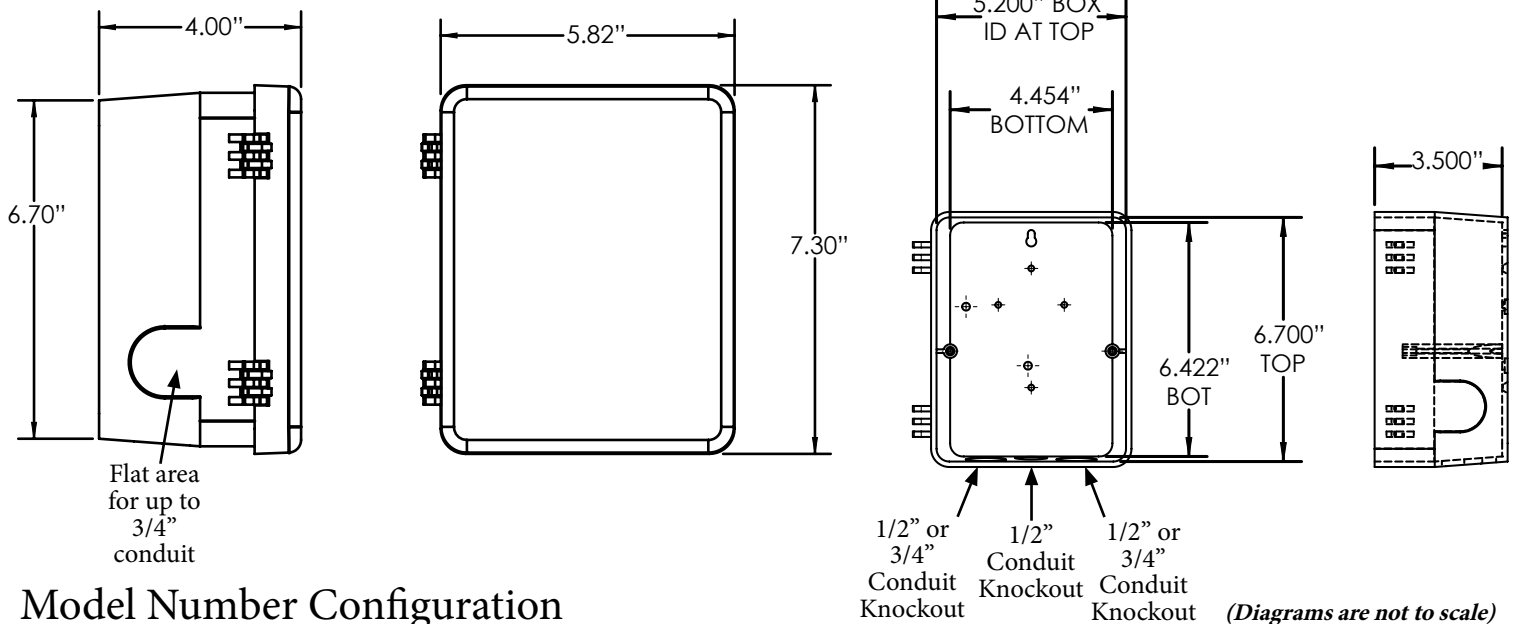


Specification & Features

UV Stabilized Plastic
Flame Rating: 5VA/V-0 (Grey), HB (colors)
Optional Locking Mechanism
Housing Color Options - Black or Gray
Cover Color Options - Black, Gray or Clear
Knockouts



Dimensions



Model Number Configuration

HDE - 00 - 02 / _____ - _____

Box Color (Base) Options (Multiple options allowed)

01 - Gray
2S - Black

Cover/Lid Color

01 - Gray
02 - Black
04 - Clear

Locking Mechanism

LK - Keyed Lock

Knockouts

KO - Knockouts Removed

Note: You may add additional options as needed by extending the model number.

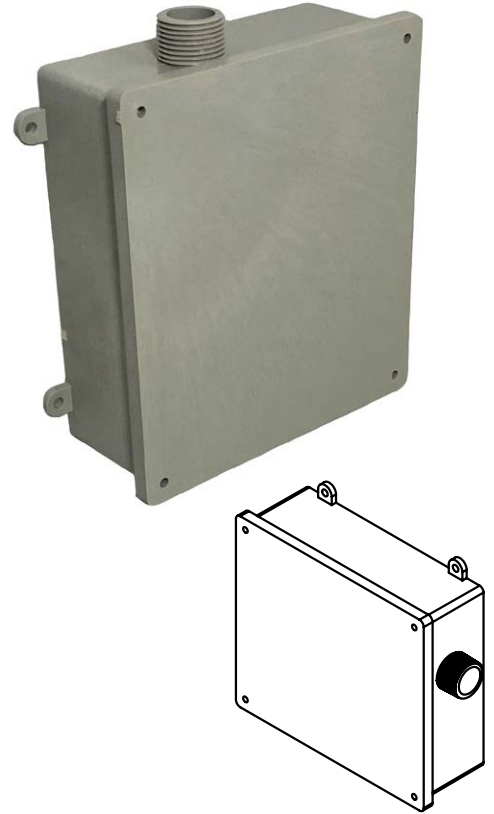
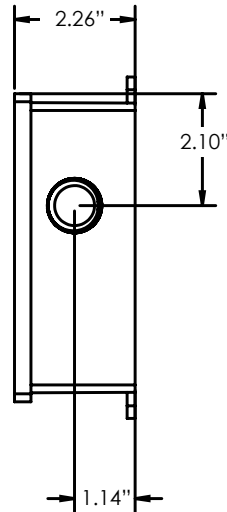
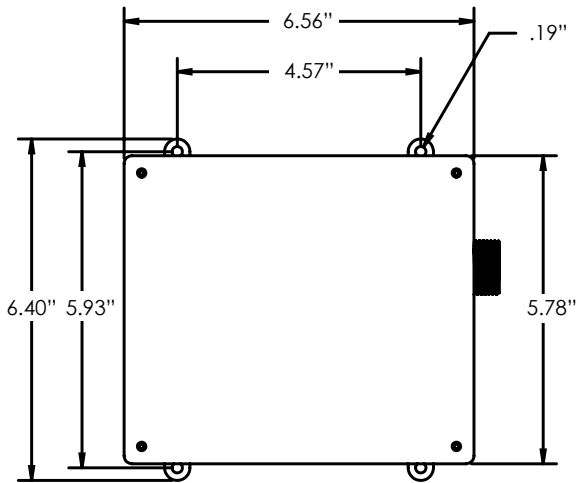
Miscellaneous Enclosures

5-6-2 Enclosure

UV Stabilized Plastic

Flame Rating: 5VA/V-0 (Grey), HB (colors)

Polycarbonate (Fiberglass Reinforced Grey)

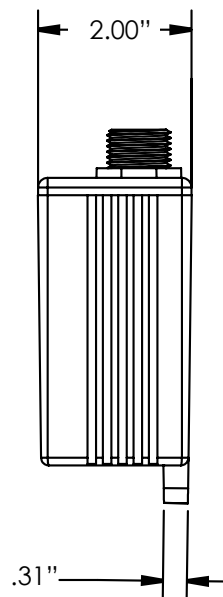
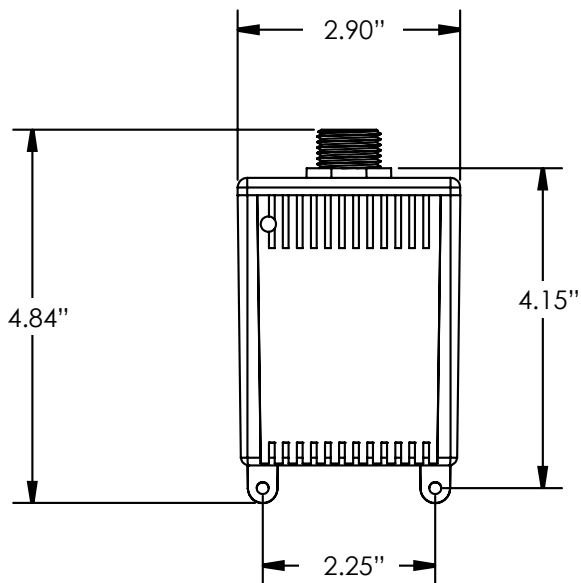


3-3-2 Enclosure

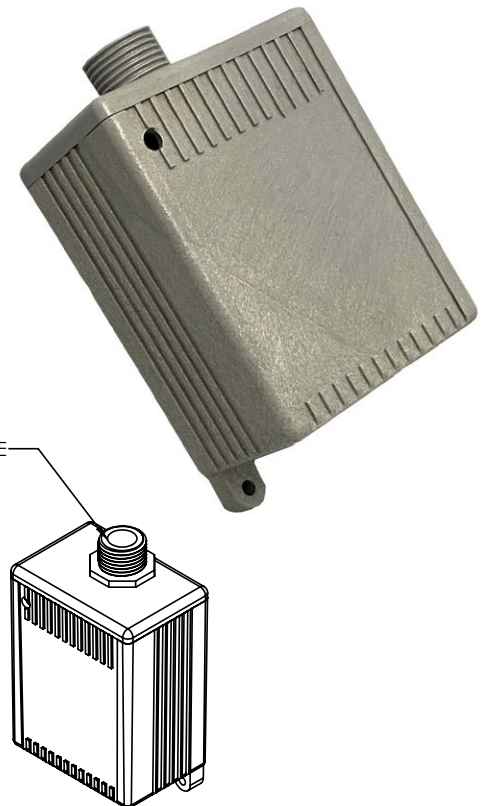
UV Stabilized Plastic

Flame Rating: 5VA/V-0 (Grey), HB (colors)

Polycarbonate (Fiberglass Reinforced Grey)



1/2" NIPPLE





Section 10

Miscellaneous Parts

Hot Jaw Safety Cover

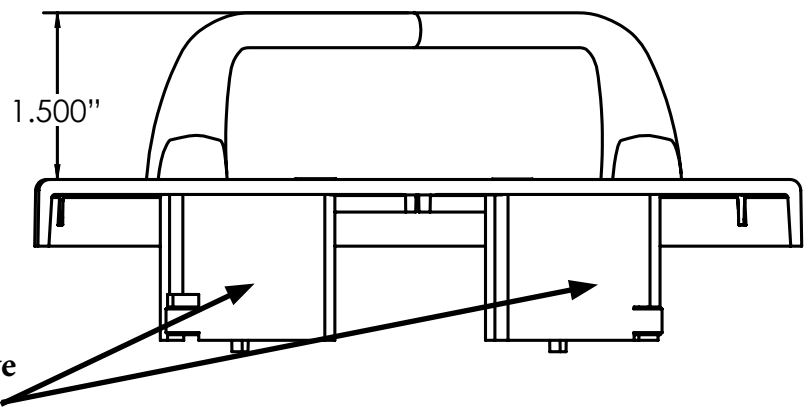
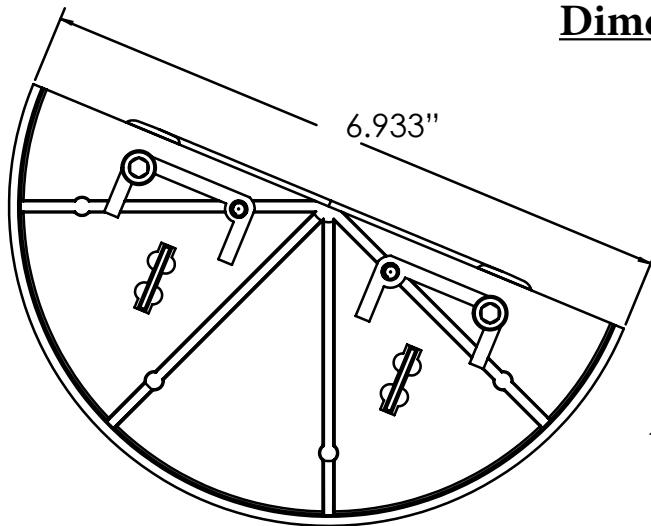
Specification & Features

UV Stabilized Plastic
Polycarbonate
Long, Heavy-Duty Handle for Easy Installation & Removal
Flame Rating: HB
Keyed for Class 320



The AE Products Hot Jaw Safety Cover is a cost effective safety product for electrical workers if power disconnect is not an option. This non-conductive design allows work in the lower part of the meter can while blocking the upper jaw blades.

Dimensions



(Diagrams are not to scale)

Model Number	Description
SDA-NP-02S-08	Hot Jaw Safety Cover

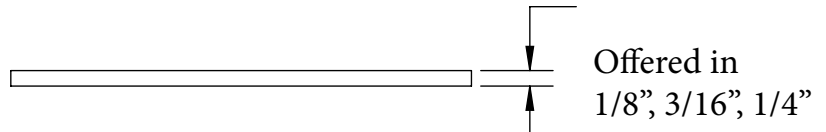
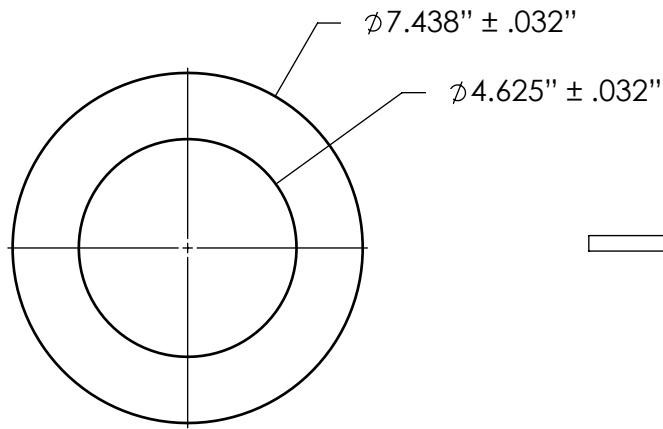
Miscellaneous Parts



Meter Socket Gasket

Material	Neoprene, Vinyl, Buna-N Foam
Thickness Tolerance	-0.032" to + 0.032"
Temperature Range	-40 °F to 200 °F
Density	5lbs/cu. ft.
Specifications Met	ASTM D1056 2C1, UL 94HF1

Designed to fill the gap between the meter and the meter cover to protect from the elements.

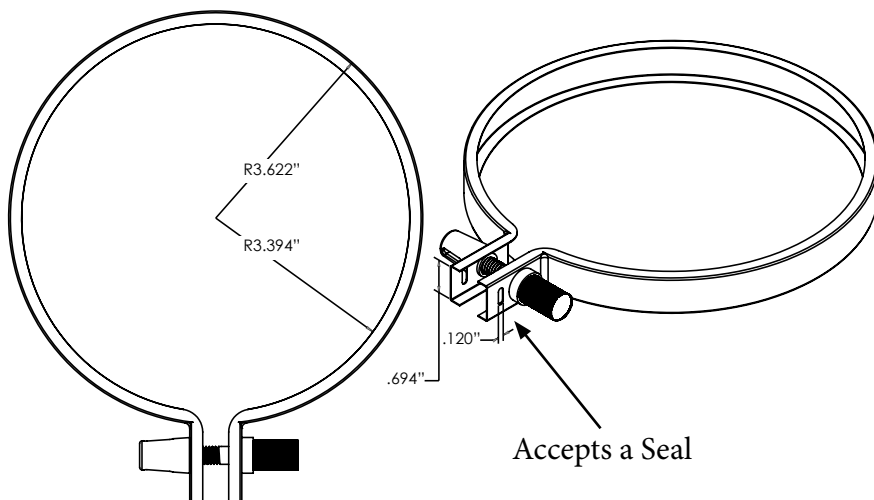


(Diagrams are not to scale)

Sealing Ring - Screw Type

Stainless Steel

Universal Left and Right



(Diagrams are not to scale)

Alternate Rings Available. Contact Factory for Information.

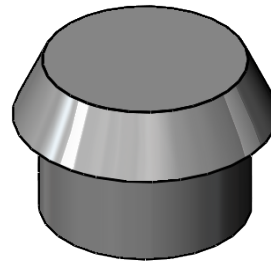
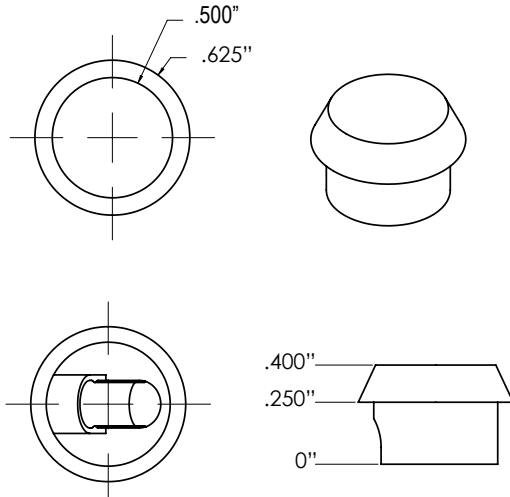
Miscellaneous Parts

Single LED Lens (1/2" hole)

Single LED Lens Holds 1 T-1 3/4 LED

Single LED Can be Inserted in Any Housing

UV Stabilized Clear Polycarbonate



(Diagrams are not to scale)

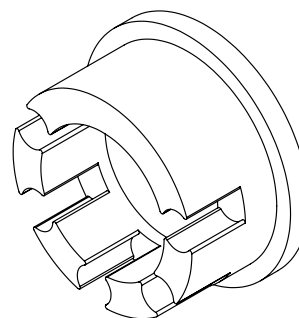
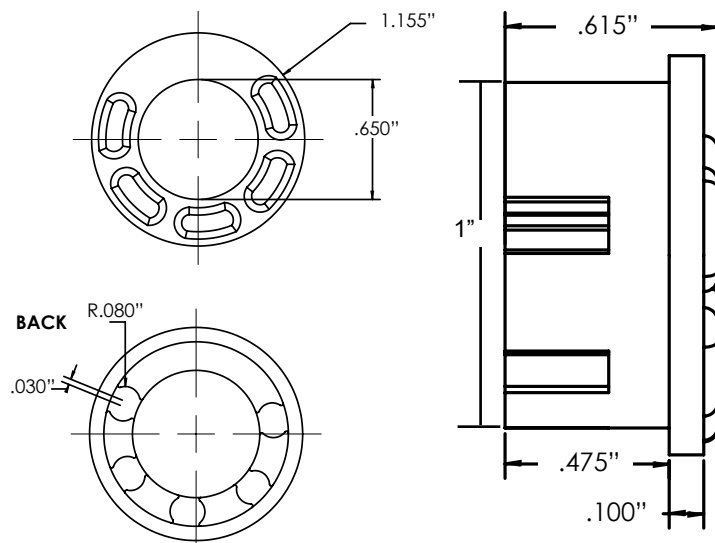
Multiple LED Holder (1 inch hole)

Multiple LED Holder Can Hold Up to 5 T-1 3/4 LEDs

Multiple LED Holder Can Be Inserted in Any Housing

Multiple LED Holder Can Be Glued or Clipped with Optional Retaining Ring

UV Stabilized Clear Polycarbonate



FRONT



(Diagrams are not to scale)

Miscellaneous Parts



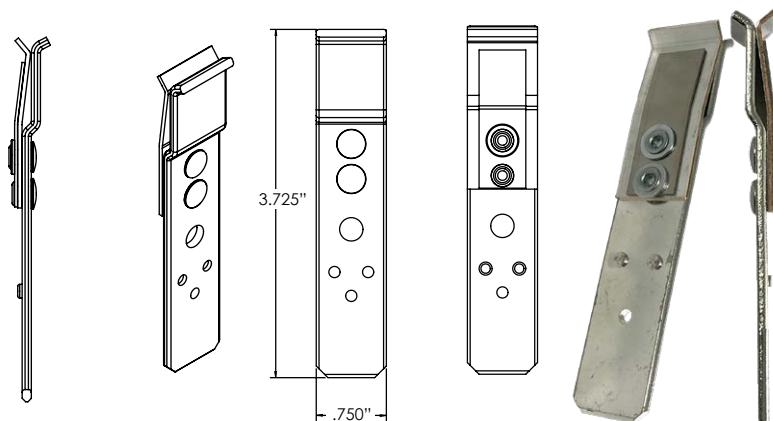
Plated Copper Jaw Blades

Standard Jaw Blades

5th Jaw Kit

Custom Lengths and Configurations are Available

Contact the Factory for Available Options.



(Diagrams are not to scale)

Square Coupler

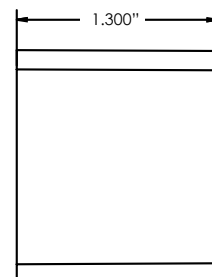
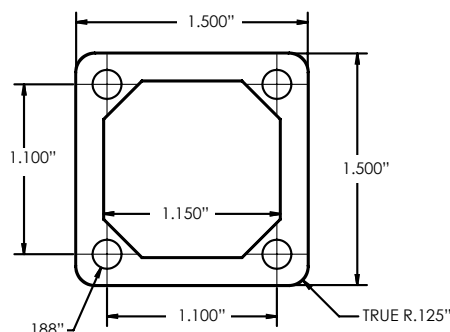
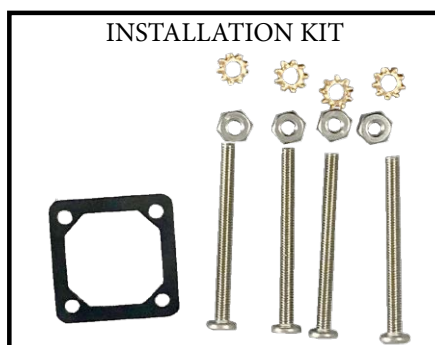
Shorter Length Available

Multiple Colors Available. Contact Factory.

Polycarbonate (Fiberglass Reinforced Grey)

Installation Kit also Available Including:

Neoprene Gaskets
Washers
Bolts
Nuts



Curve to Flat Adapter

UV Stabilized Plastic

Flame Rating: 5VA/V-0 (Grey), HB (colors)

Polycarbonate (Fiberglass Reinforced Grey)

Attached to the curve of a collar to create a flat surface for accessories if needed



(Diagrams are not to scale)

Miscellaneous Parts

Components - Base

UV Stabilized Plastic

Flame Rating: 5VA/V-0 (Grey), HB (colors)

Polycarbonate (Fiberglass Reinforced Grey)

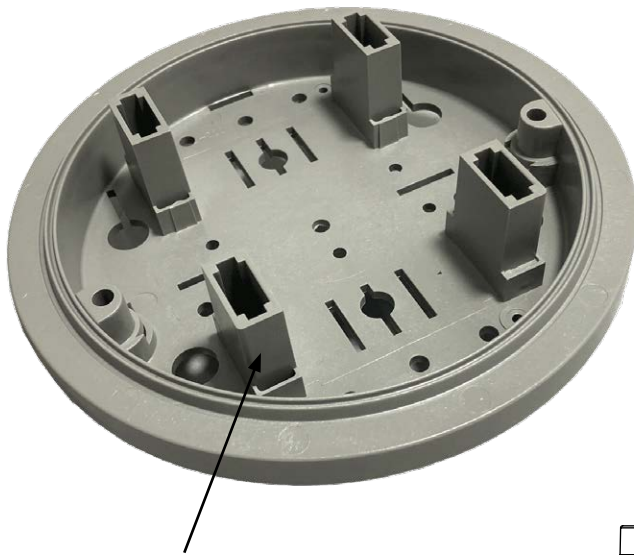
Standard Molded Configuration Shown Below

Custom Machine Modifications Available

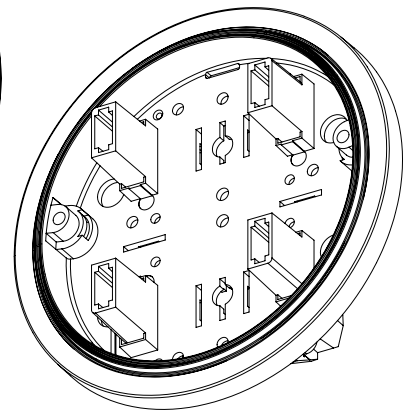
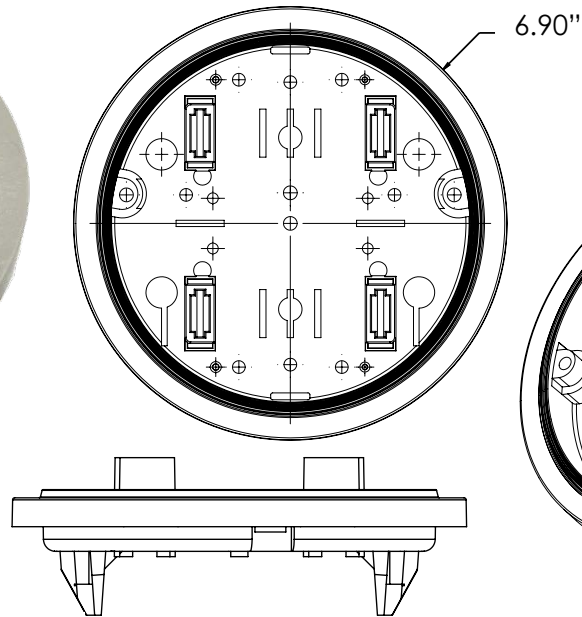
Low Quantity Orders Welcome

Can Be Molded in Different Colors

Example 1

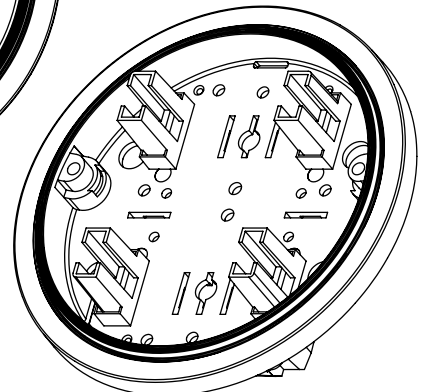
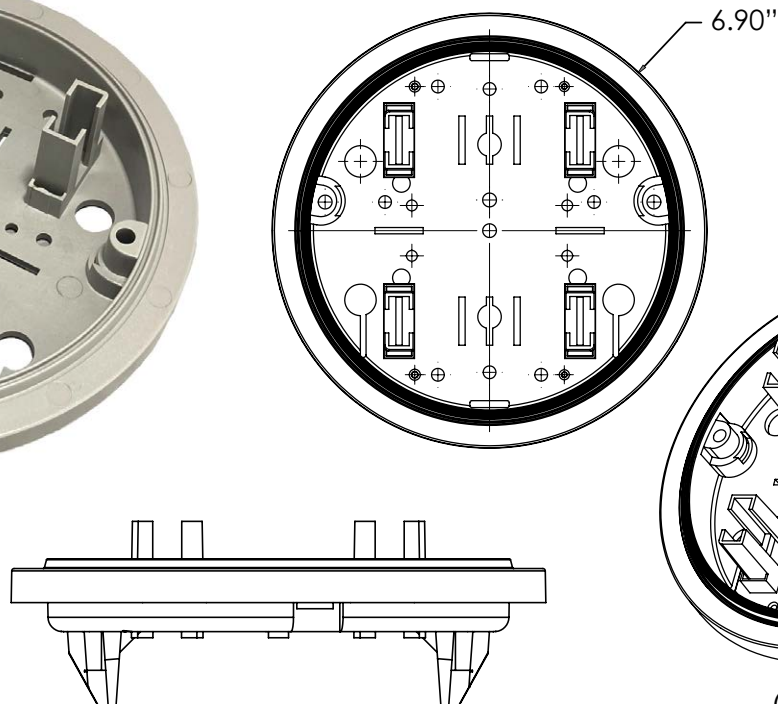


Independently Configurable
Jaw Tubes



(Diagrams are not to scale)

Example 2



(Diagrams are not to scale)

Miscellaneous Parts



Components - Base

UV Stabilized Plastic

Flame Rating: 5VA/V-0 (Grey), HB (colors)

Polycarbonate (Fiberglass Reinforced Grey)

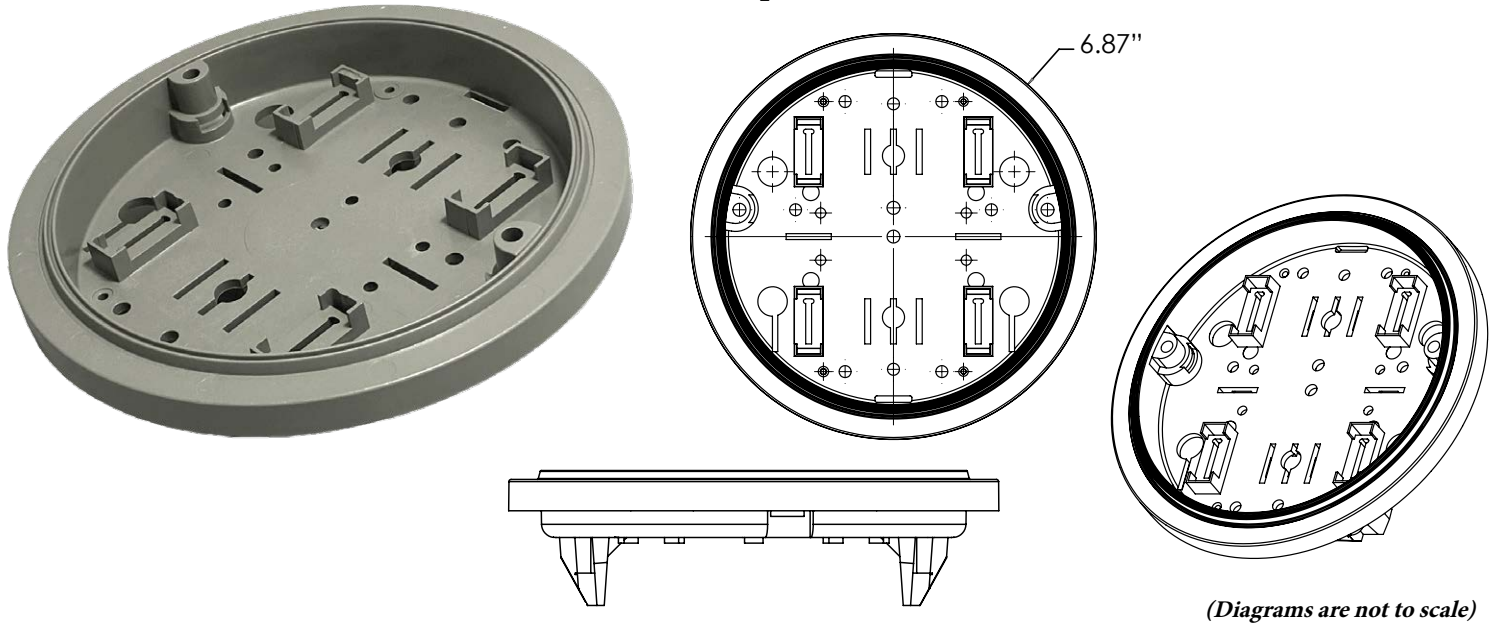
Standard Molded Configuration Shown Below

Custom Machine Modifications Available

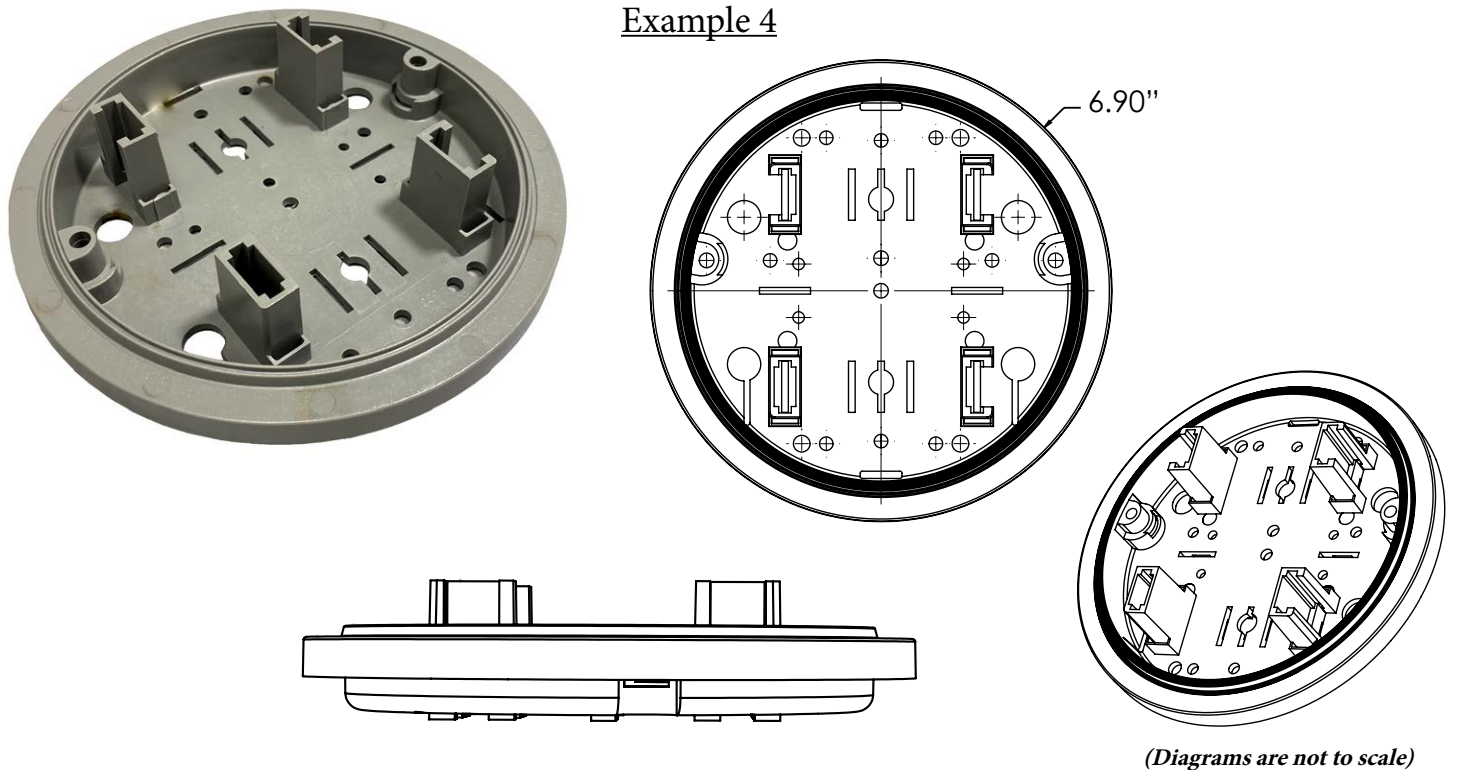
Low Quantity Orders Welcome

Can Be Molded in Different Colors

Example 3



Example 4



Miscellaneous Parts

Components - Collar

UV Stabilized Plastic

Flame Rating: 5VA/V-0 (Grey), HB (colors)

Polycarbonate (Fiberglass Reinforced Grey)

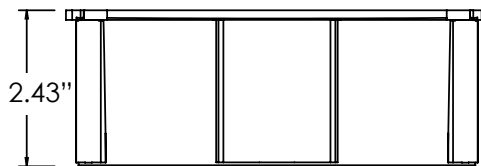
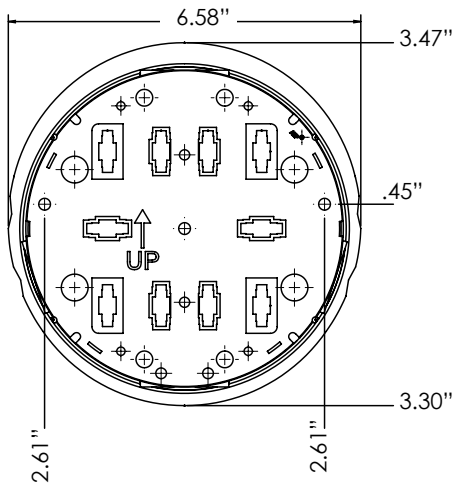
Standard Molded Configuration Shown Below

Custom Machine Modifications Available

Low Quantity Orders Welcome

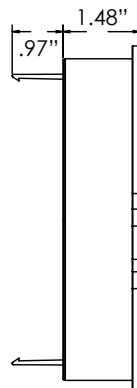
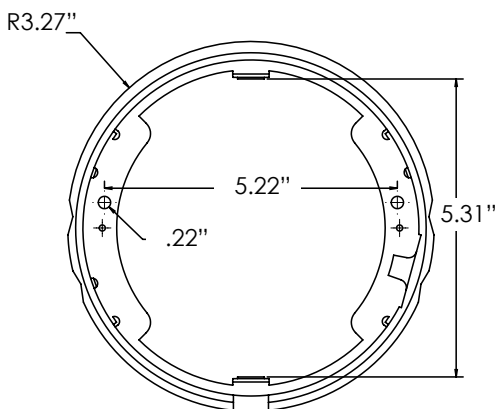
Can Be Molded in Different Colors

High Top



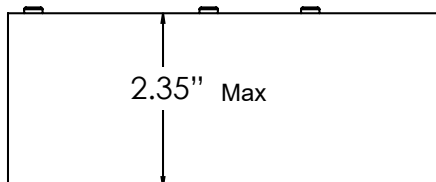
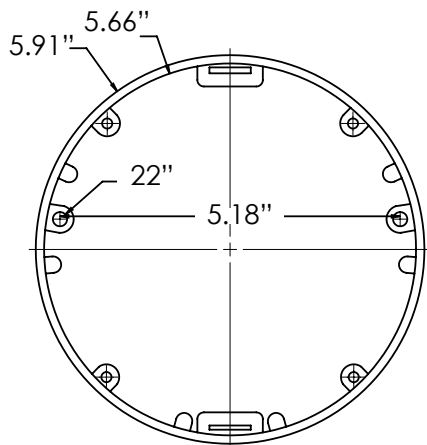
(Diagrams are not to scale)

Low Top



(Diagrams are not to scale)

Extension Collar



(Diagrams are not to scale)



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