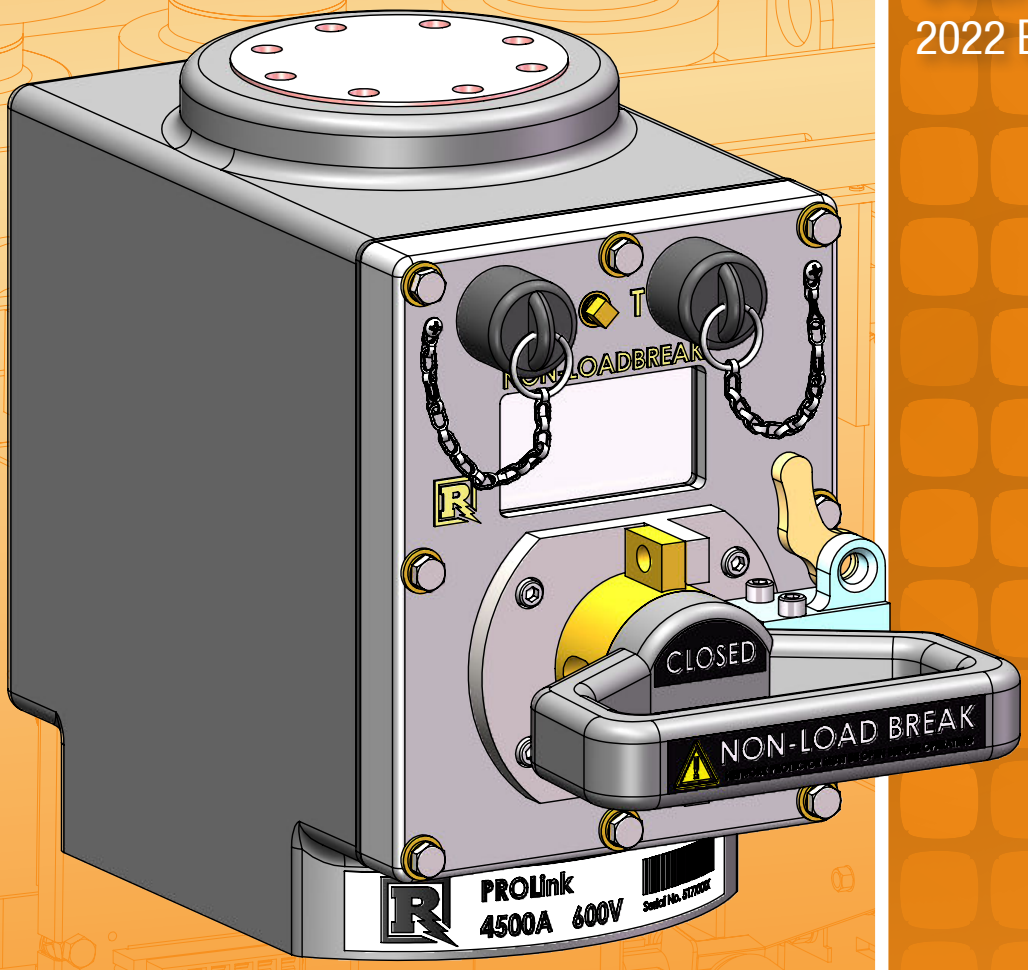
PROLink

USER GUIDE

2022 EDITION



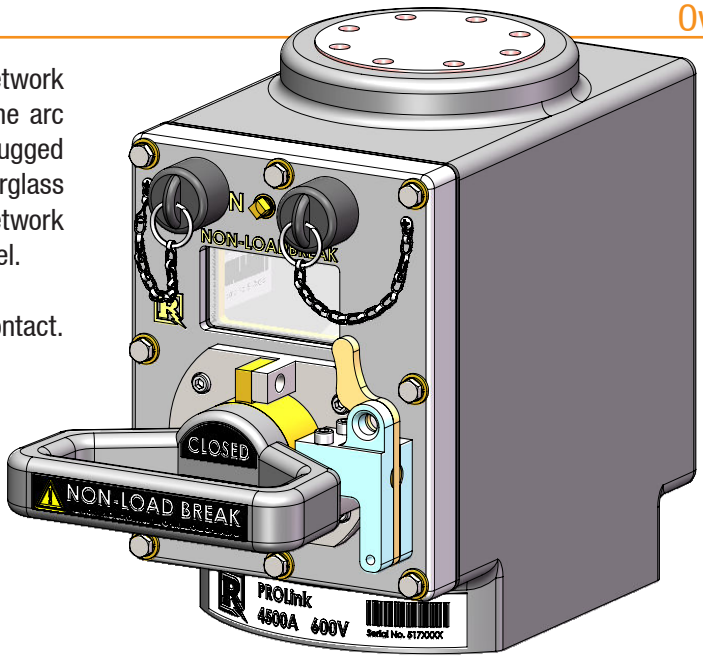
Richards MANUFACTURING CO.™

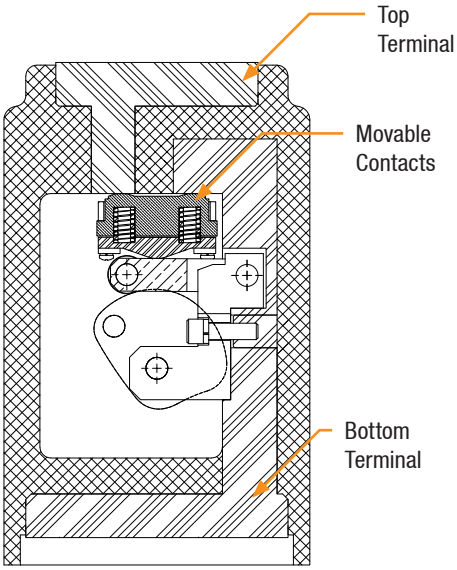
PROLINK

Overview

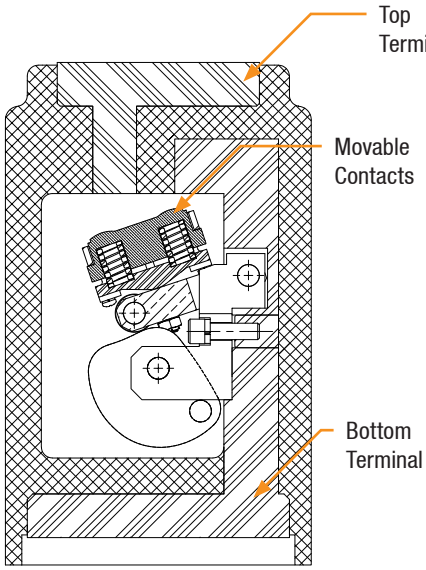
The Richards PROLink is designed to isolate the network protector from the secondary network – thus reducing the arc flash hazard. The PROLink features a handle-operated rugged contact assembly molded within a fully submersible fiberglass enclosure. This assembly is designed to work on all network protectors, 800–4500A, up to 600V – any make, any model.

Simply rotate the handle to Open or Close the internal contact. Nothing to remove – it's that simple.

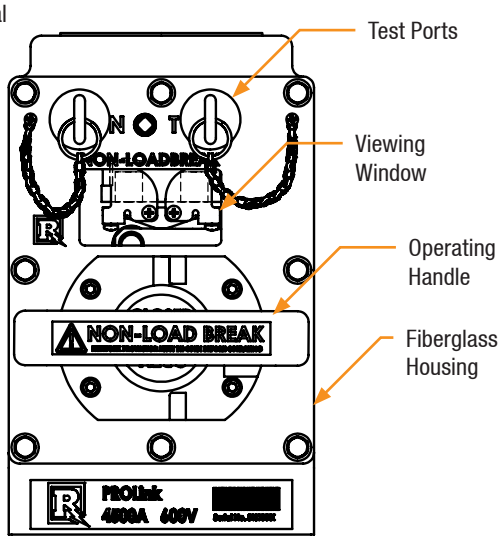




CONNECTION ENGAGED



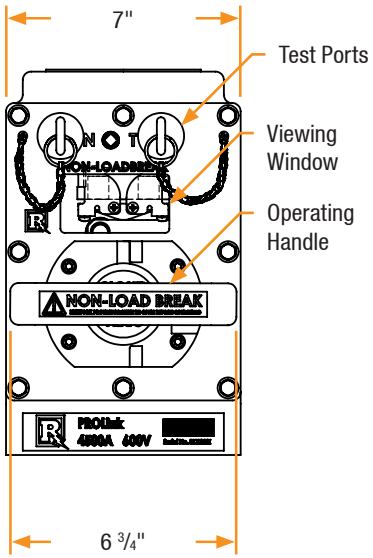
CONNECTION DIS-ENGAGED

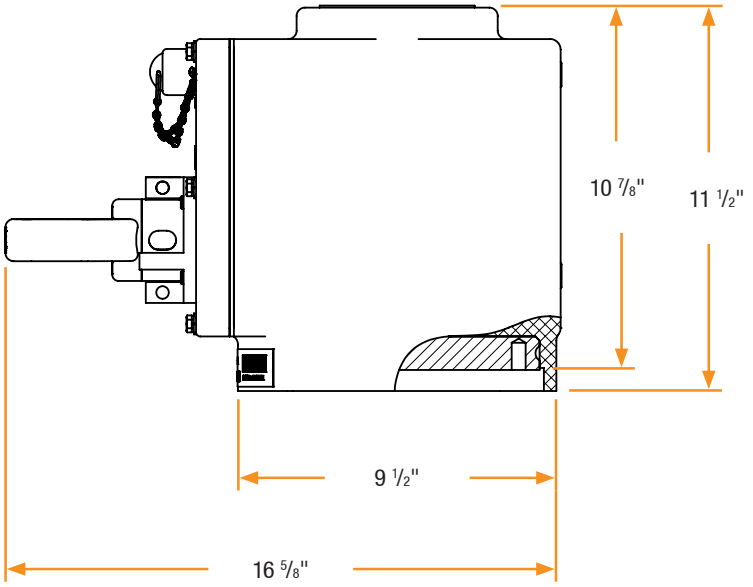


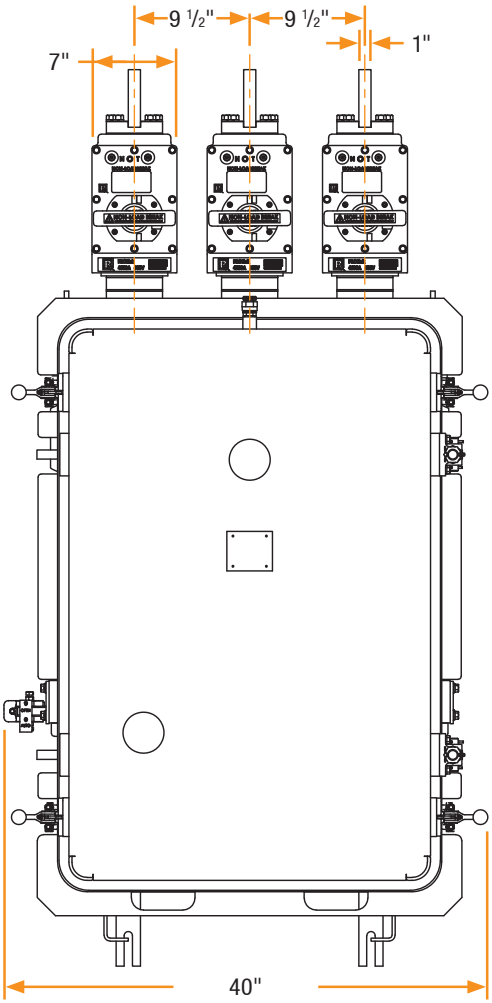
FRONT VIEW

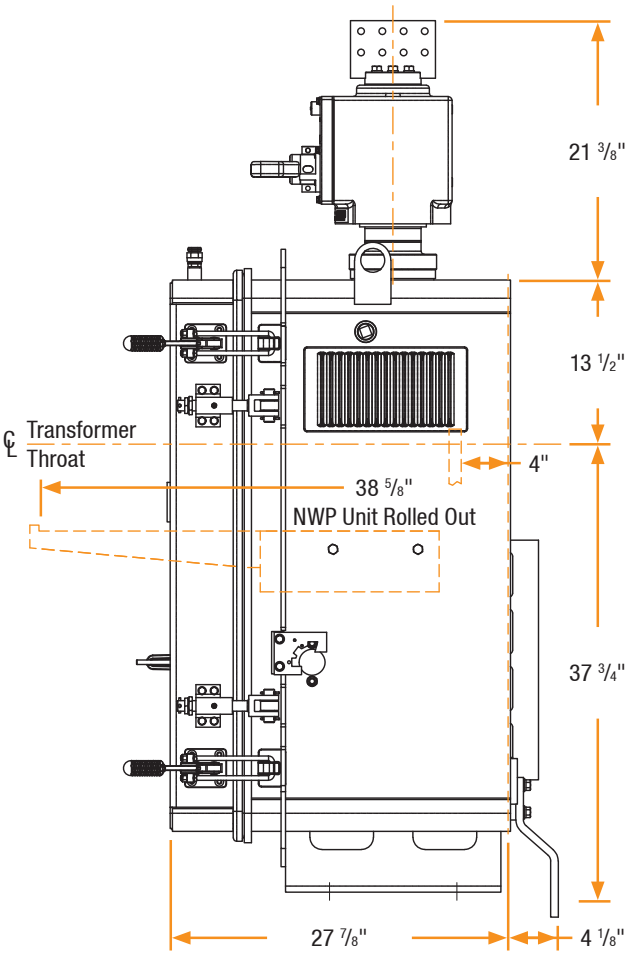
Features

- Nothing to remove
  - No cover to open
  - No contact to remove
- Rotate the handle to open or close the internal contact
- Submersible to 25 ft.
- Meets IEEE C57.12.44 short circuit testing – 60kA for one second
- Kirk key optional
- Visible break
- Pad lockable
- Wall mountable
- Mounts directly onto ANY network protector
- Field retrofittable
- Testing ports easily accessible from the front


7"
Test Ports
Viewing Window
Operating Handle
NON-LOAD BREAK
6 3/4"


10 7/8"
11 1/2"
9 1/2"
16 5/8"

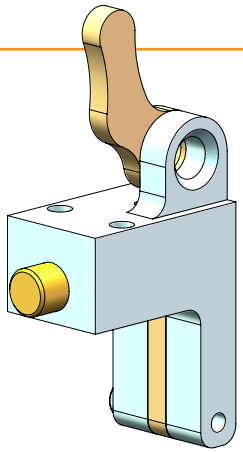

9 1/2"
9 1/2"
1"
7"
40"


21 3/8"
13 1/2"
Transformer Throat
4"
38 5/8"
NWP Unit Rolled Out
37 3/4"
27 7/8"
4 1/8"

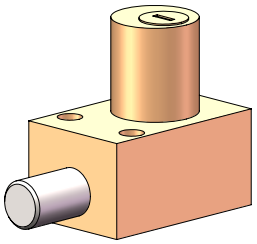
Kirk Key

The PROLink comes with a latching device to prevent incidental operation of the handle.

The latching device must be moved prior to moving the handle.

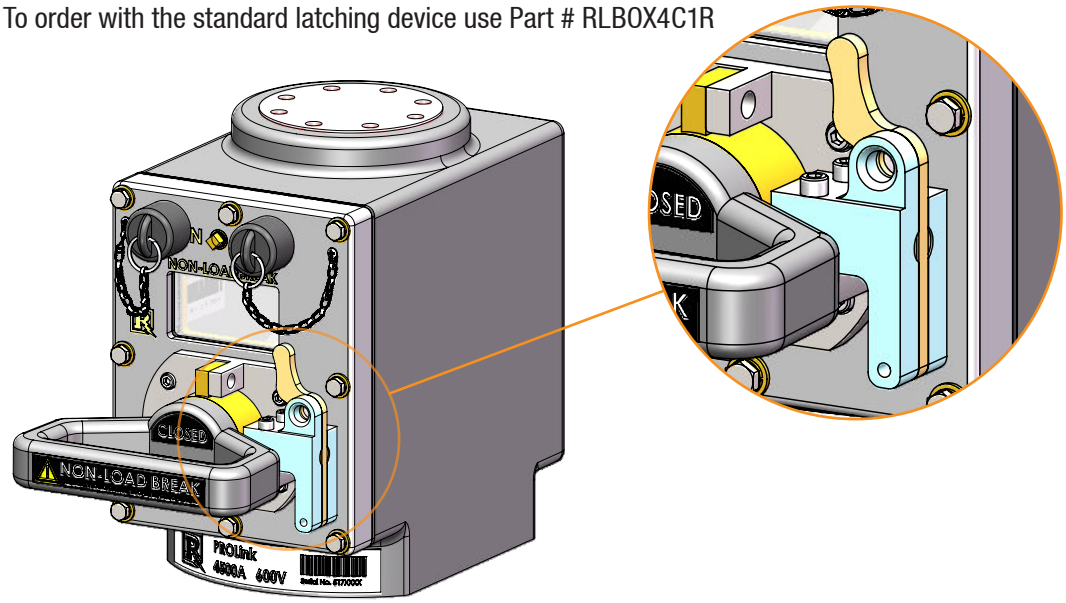


Standard Latching Device

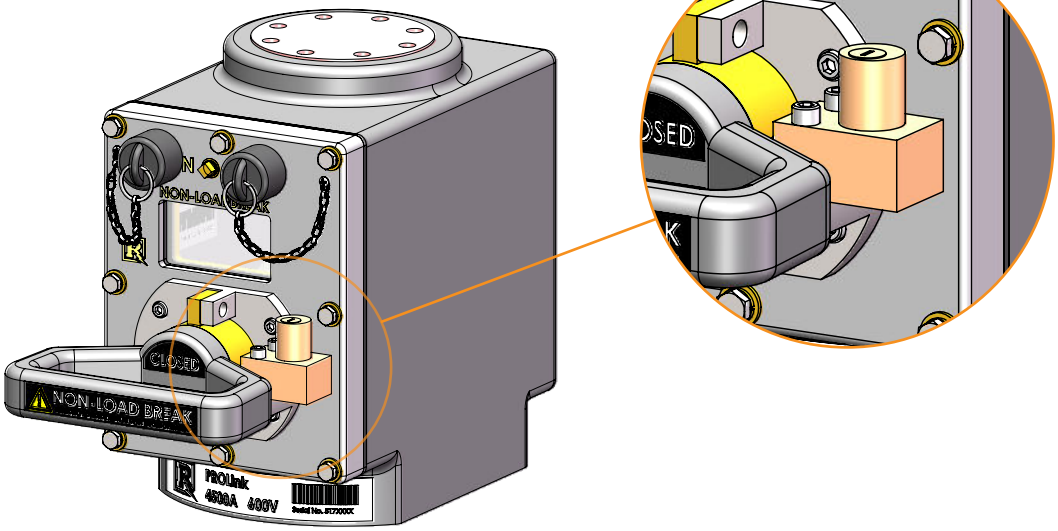


Kirk Key

To order with the standard latching device use Part # RLBOX4C1R



To order with a Kirk Key use Part # RLBOX4C1K



NETWORK PROTECTOR HANDLE LOCKING DEVICE SOLD SEPARATELY - SPECIFIC TO EACH MODEL NETWORK PROTECTOR

Retrofit your existing Network Protector with the PROLink

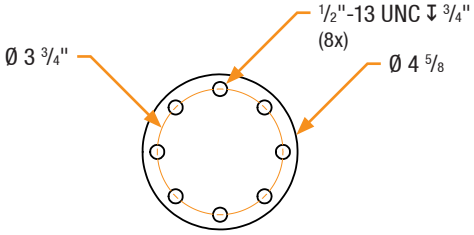
It only takes a few simple steps to identify and select the items you'll need for the installation of the PROLink

A. Identify the type of terminal that currently exists on your network protector.

B. Select the corresponding adapter.

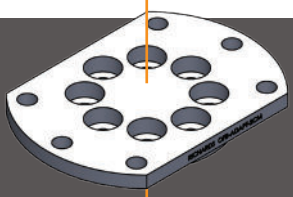
C. Order the appropriate number of PROLinks and adapters (one PROLink and adapter per phase).

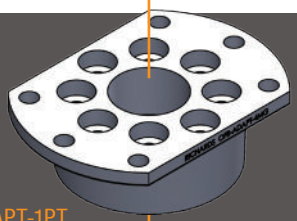
D. Select the new terminal to be attached to the top of the PROLink.

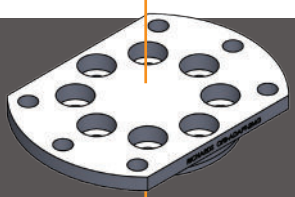


TOP TERMINAL MOUNTING PATTERN

B

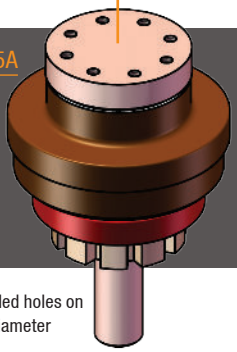

OFB-ADAPT-1PA


OFB-ADAPT-1PT


OFB-ADAPT-2MG

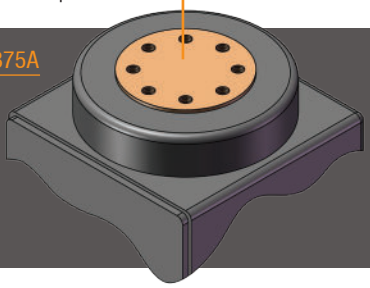
A

800-1875A
313NP
137NP
MG8

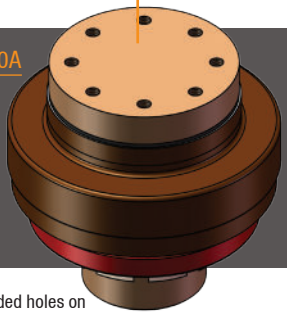

3/8" threaded holes on
2-13/16" diameter

Insulation flush with the surface
of the protector top terminal

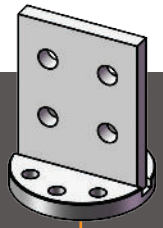
800-1875A
CM22
CM52
CMD


1/2" threaded holes on
3-1/4" diameter

2250-4500A
137NP
MG8
MG14


1/2" threaded holes on
4-3/8" diameter

D



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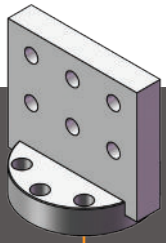
237-1309-00



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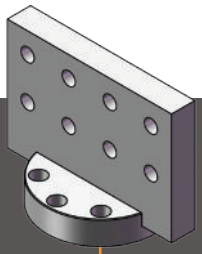

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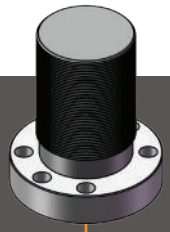

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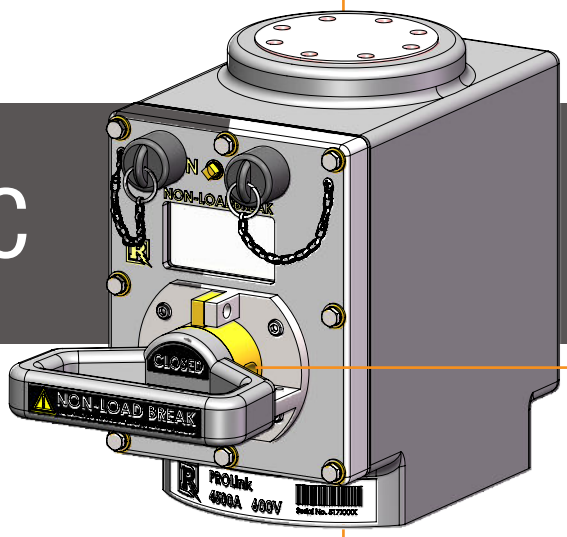
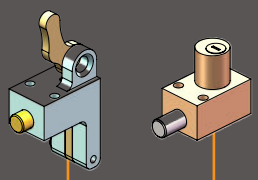
C



PROLINK
Choose latching device

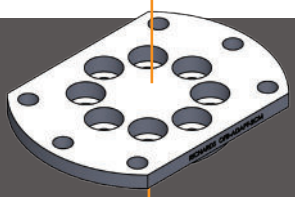


LATCHING DEVICE

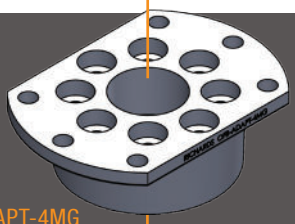
RLBOX4C1R
Standard Latching Device

OR

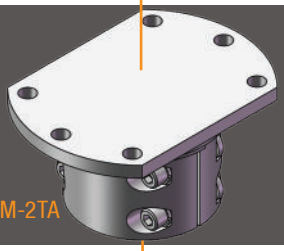
RLBOX4C1K
Kirk Key



OFB-ADAPT-2CM

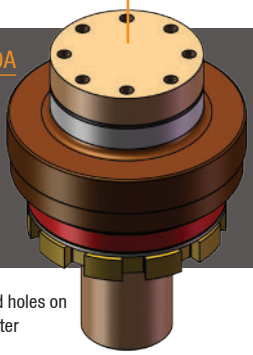


OFB-ADAPT-4MG



OFB-TERM-2TA

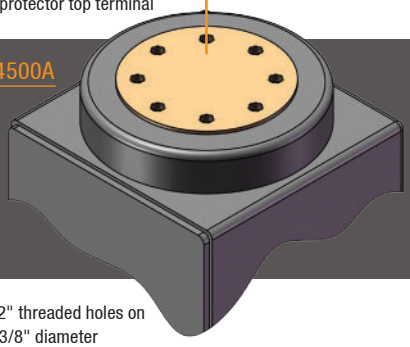
2250-4500A
313NP



1/2" threaded holes on
3-3/4" diameter

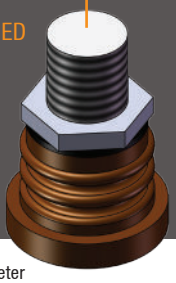
Insulation flush with the surface
of the protector top terminal

2250-4500A
CM22
CM52
CMD



1/2" threaded holes on
4-3/8" diameter

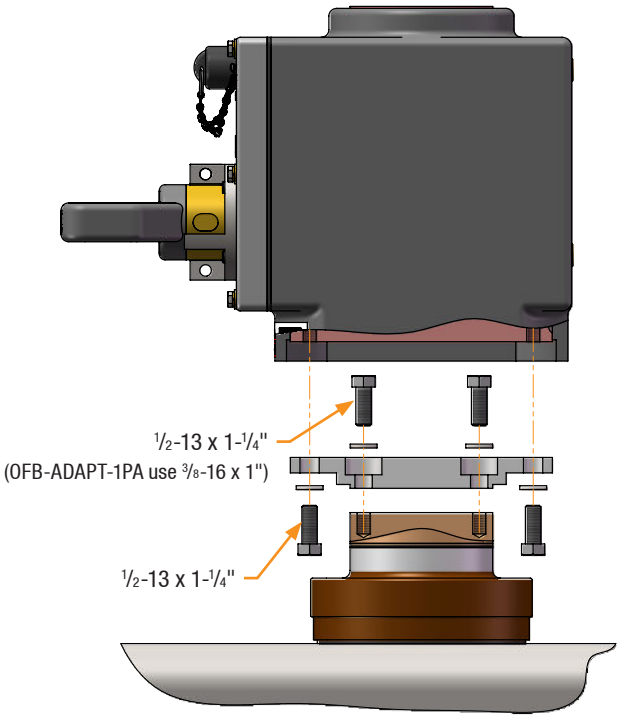
THREADED
STUD

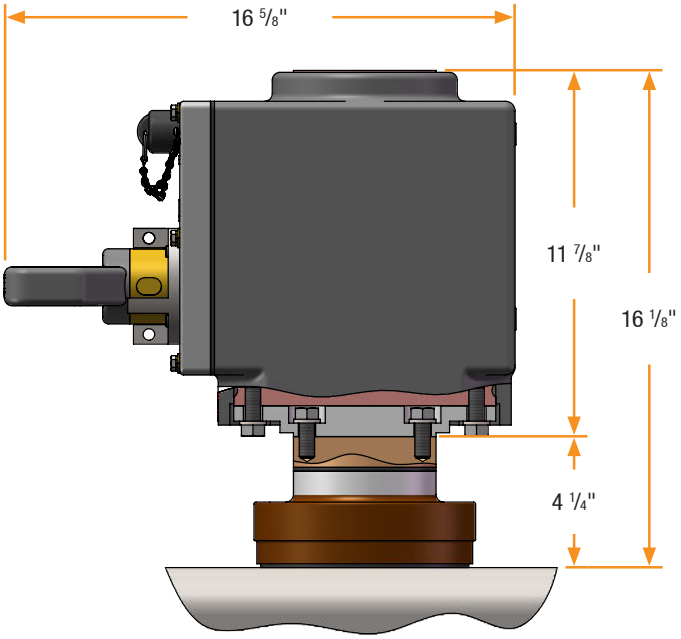


3" diameter

PROTECTOR INSTALLATION

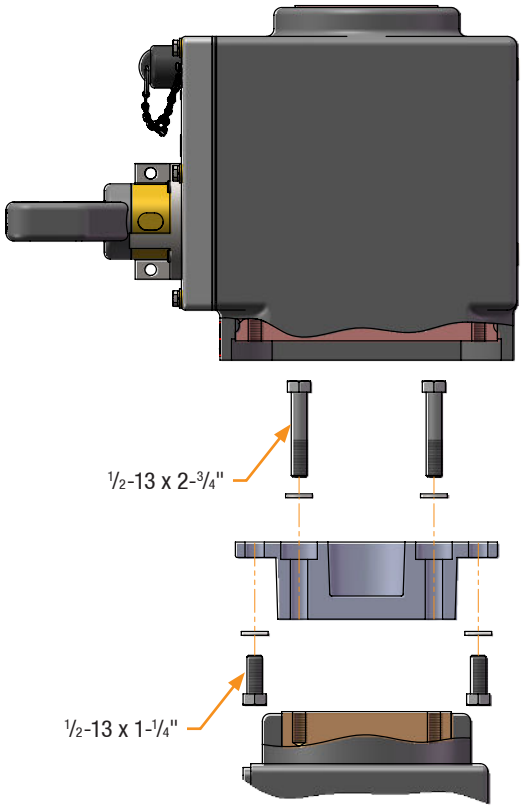
Flat Adapter

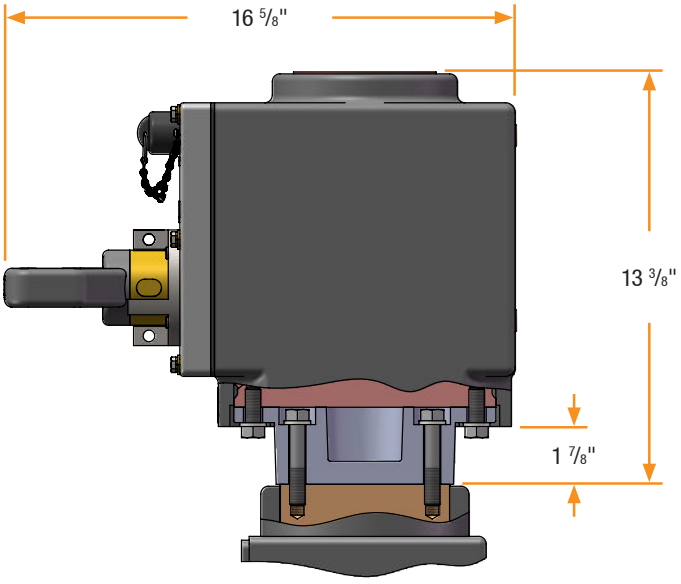




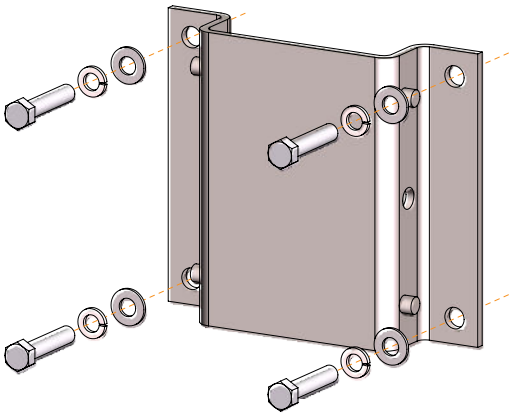
PROTECTOR INSTALLATION

Tall Adapter



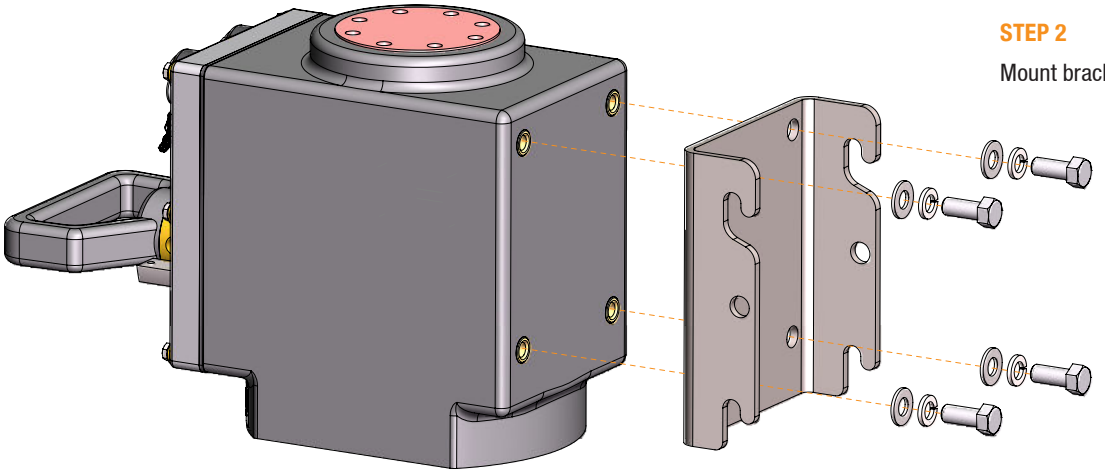


WALL-MOUNTED INSTALLATION



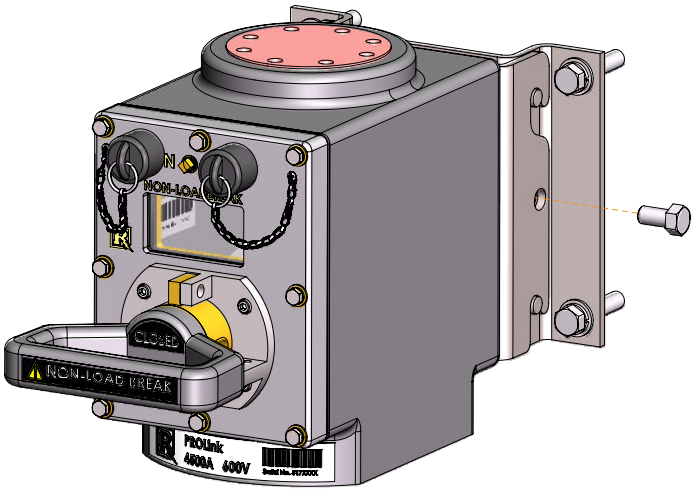
STEP 1

Mount frame to wall.



STEP 2

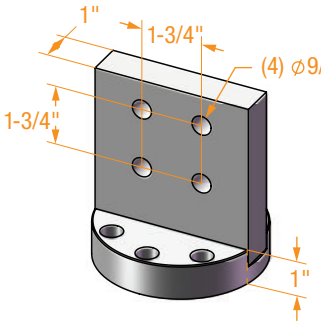
Mount bracket to back of PROLink.



STEP 3

Hang PROLink on frame. Secure with bolt on both sides.

PROLINK TOP TERMINALS



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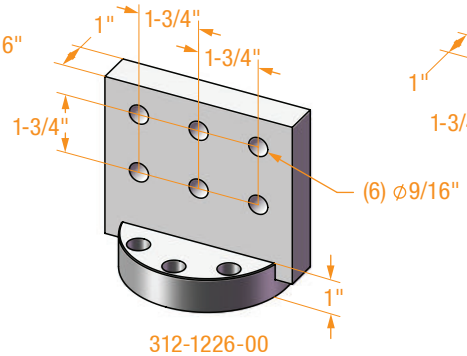

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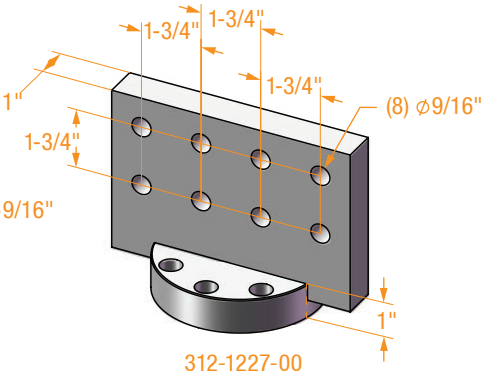

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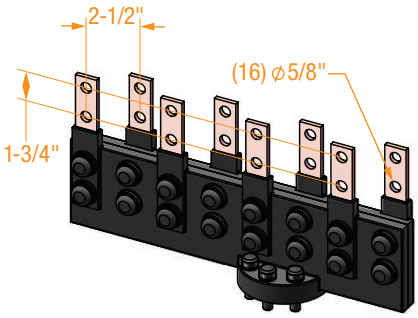

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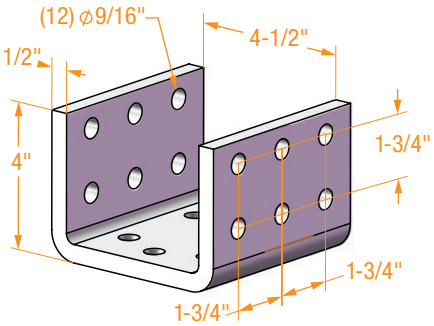
PVC Coated



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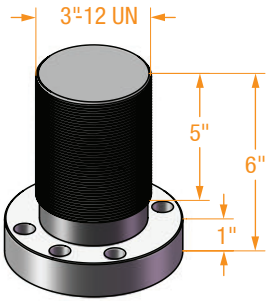

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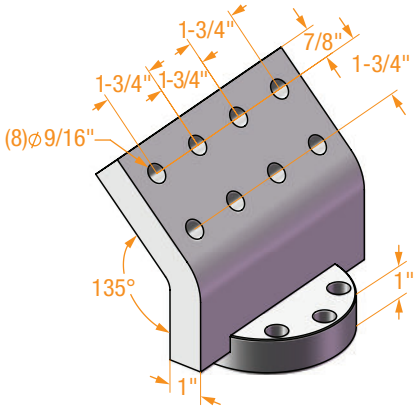

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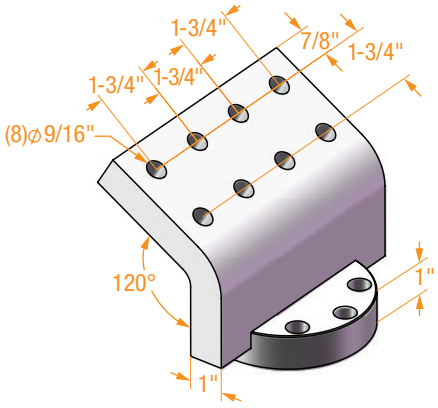

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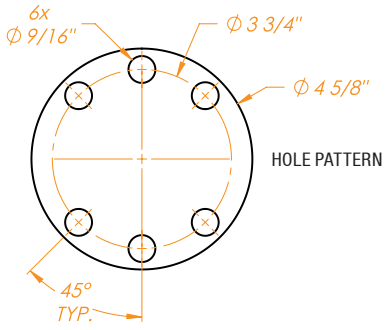
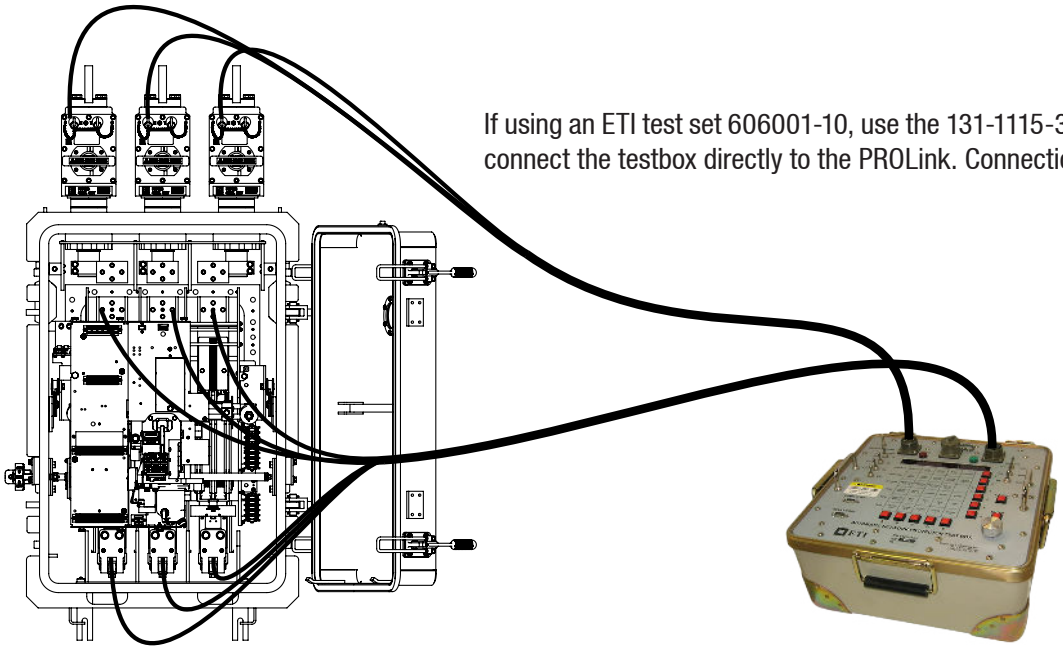
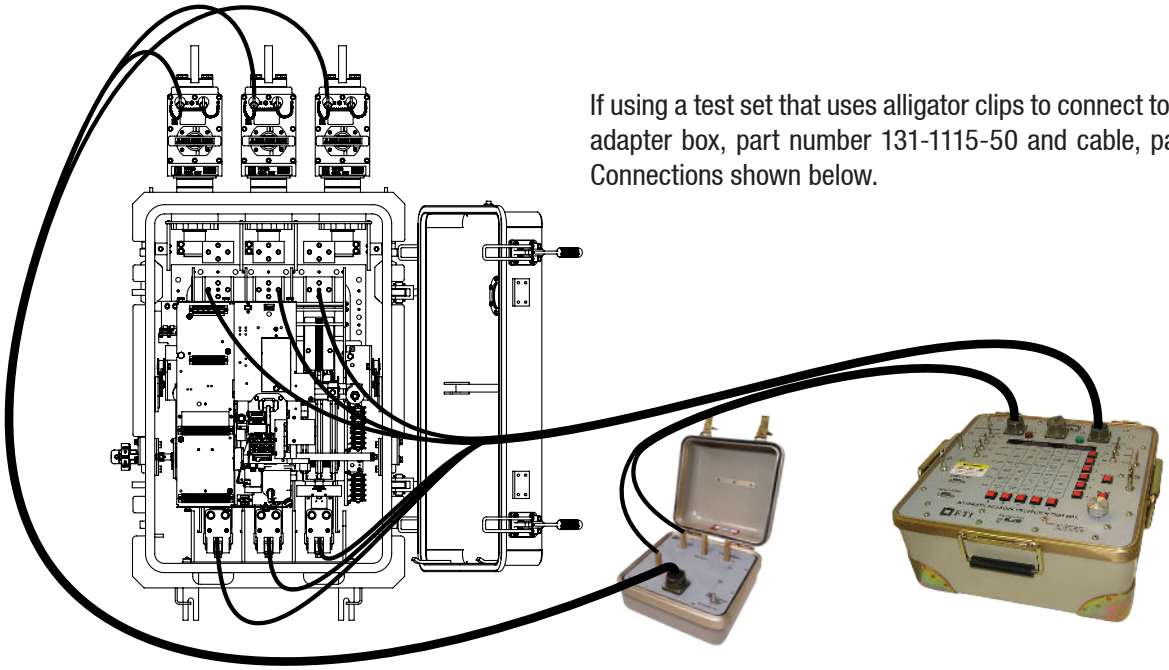


TEST SET

The PROLink ports on the front cover allow crews to access the top and bottom terminals. The left or N port provides access to network power, which is needed to power any network proctor test set.

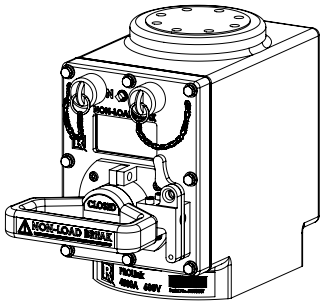


If using an ETI test set 606001-10, use the 131-1115-31 testbox power cable to connect the testbox directly to the PROLink. Connections shown below.



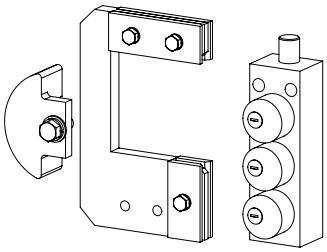
If using a test set that uses alligator clips to connect to incoming power, use the adapter box, part number 131-1115-50 and cable, part number 131-1115-31. Connections shown below.

BASE COMPONENTS



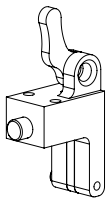
PROLink with Standard Latching Device
RLBOX4C1R

PROLink with Kirk Key
RLBOX4C1K

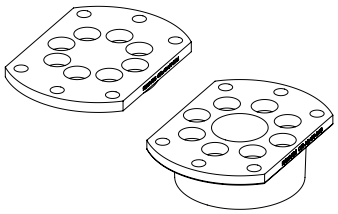


Kirk Key Handle Assemblies
PROL-KHA-313 — 313NP & CM22
PROL-KHA-052 — CM52

Contact the factory For other handle assemblies

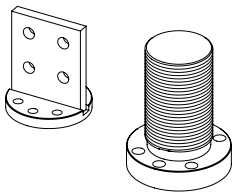


Standard Latching Device
PROL-RLD

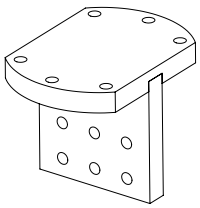


Adapter for Small Protectors – 1875A and below
OFB-ADAPT-1PA — 313NP & 137NP
OFB-ADAPT-1PT — CM22 & CM52

Adapters for Large Protectors – 2250A-4500A
OFB-ADAPT-2CM — 313NP, 314NP, & 315NP
OFB-ADAPT-2MG — 137NP, 138NP, & 139NP
OFB-ADAPT-4MG — CM22 & CM52
OFB-TERM-2TA — CM22 & CM52

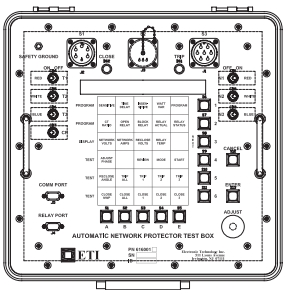


Top Terminals
237-1309-00 — 1-1/2” threaded stud, large base
312-1225-00 — 4-hole spade, large base
312-1226-00 — 6-hole spade, large base
312-1227-00 — 8-hole spade, large base
312-1414-00 — 3” threaded stud
237-1295-00 — 8-hole spade, bent 45°
237-1296-00 — 8-hole spade, bent 60°

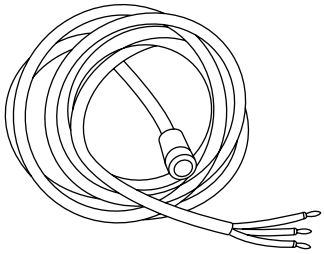


Bottom Terminal
237-2513-40 — Bottom Terminal 6 Hole Spade for wall mounted PROLinks

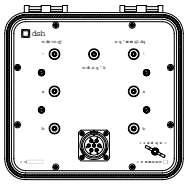
BASE COMPONENTS



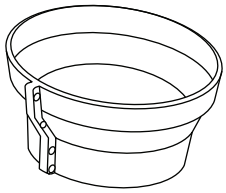
Test Set
606001-10



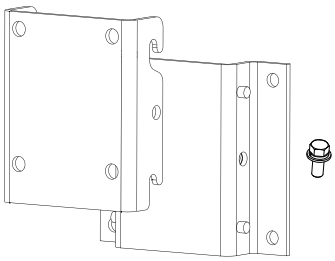
Power Cable - PROLink to Test Set Adapter
131-1115-31 — PROLink to ETI Test Set (1/4 turn) or PROLink to Test Set Adapter



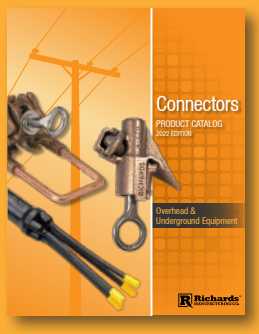
Test Set Adapter
131-1115-50



Insulating Rubber Boot
PRO-INS-BOOT



Wall Mounting Kit
PROL-WM1 — Bracket, frame, and hardware to attach bracket to the PROLink (hardware to mount frame to wall not included)



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