ACT 446 Dual Cable Location Protector
Surge Protector System

- ACT 446 Dual Cable Location
  Outdoor/Indoor Protectors
  The ACT 446, as part of the ACT 44X Cable
  Locating Protection Family, can be installed
  for both indoors or outdoor applications. The
  solid-state hybrid surge protection system is
  installed between the cable sheath and earth
  ground. Their primary function is to increase
  the cable locating tone range and efficiency
  and protect buried cable and personnel from
  high-energy surges. This unit may be installed
  either underground (waterproof), above
  ground (weather proof) or pedestal mounted.
  Proper installation and location of these
  devices allows greater than 75 miles of cable
  location from one transmitter.

- RECOMMENDED LOCATIONS
  - Buried Fiber Locations
  - Pedestal Locations
  - Indoor Locations

- FEATURES AND BENEFITS
  - Extends Cable Locations over 75 miles
  - MOV/Gas Tube Hybrid Technology
  - 5-Year Standard Warranty

- STANDARDS MET
  - Safety – Meets UL497
  - ANSI/IEEE C62.41, C62.45

- 3RD PARTY TESTED

- PART NUMBERS

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<th>Model</th>
<th>Enclosure Type</th>
<th>System</th>
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<td>ACT 446-XXX-</td>
<td>212</td>
<td>Dual Protector in Weatherproof enclosure with shorting bar 4”x4”x2” Enclosure</td>
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<tr>
<td>ACT 446-XXX-</td>
<td>302</td>
<td>Dual protector for Waterproof (Potted) with 6’ 6 awg cable stubs 4”x4”x2” Enclosure</td>
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<td>ACT 446-XXX-</td>
<td>400</td>
<td>Dual Protector for pedestal mount 3”x3”x2” Enclosure Comes WITHOUT shorting bar</td>
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<td>ACT 446-XXX-</td>
<td>410</td>
<td>Dual Protector with shorting bar for pedestal mount 3”x3”x2” Enclosure</td>
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Part Number Example: ACT 446-150-410
*Custom voltage and cable configurations are available

ACT 446M is optional mounting plate available for ACT 446 - 400 series products

*Also use ACT 4400-150 System
ACT 446 Dual Cable Location Protectors
Surge Protector System

TECHNICAL INFORMATION

PHYSICAL SPECIFICATIONS

ACT 446-XXX-2YZ family  Installed in 4"x4"x 2" weather resistant enclosures
ACT 446-XXX-3YZ family  Installed in 4"x4"x2" waterproof closures
ACT 446-XXX-4YZ families  Installed in a 3"x3"x2" indoor enclosure Requires installation inside a pedestal if installed outside

XXX – Option signifies voltage application (050V, 150V, 350V)
Y – Option  “0” No shorting bar  “1” with shorting bar
Z – Option  “0” No cable  “2” 6 foot of 6 AWG stranded cable (Black & Green)

ELECTRICAL SPECIFICATIONS

Voltage Applications RMS:  50V, 150V, 350V, 650V
Clamping Voltage (@ 1mA DC): (+10% voltage variance)  95V, 210V, 430V, 720V
Peak Current (8x20μS):  42,000 Amps
Energy Dissipation (10x1000μS):  1600 joules
Response Time:  1.5 Nanoseconds
Capacitance @ 5KHz:  4004pf

ACT 446 M option is a 16 awg aluminum back mounting plate for the ACT 446-150-410 module. Mounting Plate sold separately.