ACT 442 & 444 Cable Location Protectors
Surge Protector System

- The ACT 442 and 444 Cable Location Protection Family can be installed for both indoor 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, 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.

- EXTENDS CABLE LOCATIONS OVER 75 MILES
- MOV/Gas Tube Hybrid Technology
- Fail Safe Short / Belcore Tested
- Auto-resets through life of product
- 5–Year Standard Warranty

- PHYSICAL SPECIFICATIONS
  - ACT 442-XXX-2YZ Family: Installed in 4"x2"x1.5" Indoor Enclosure
  - ACT 444-XXX-2YZ Family: Installed in 4"x4"x2" Weather-resistant Enclosure
  - ACT 444-XXX-3YZ Family: Installed in 4"x4"x2" Waterproof Closure
  - XXX option signifies voltage application (050V, 150V, 350V)
  - Y option 0 - No Shorting Bar 1 - Shorting Bar
  - Z option includes a #6AWG stranded wires feeding through the box that connect (green) to ground and (black) to the cable sheath(s).

- ELECTRICAL SPECIFICATIONS
  - Surge Element Patented Hybrid Gas Tube/MOV
  - Voltage Applications RMS: 50V, 150V, 350V
  - Clamping Voltage (@ 1mA DC): (+10% voltage variance) 95V, 210V, 430V
  - Peak Current (8x20μS): 42,000 Amps min
  - Life (8x20us) 1000A 1,000 surges
  - Energy Dissipation (10x1000μS): 1600 joules
  - Response Time: 1.5 Nanoseconds
  - Insulation Resistance 1000 Mohm @100VDC
  - Capacitance @ 5KHz: 4004pf

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

- 3RD PARTY TESTED
# ACT 442 & 444 Cable Location Protectors

## Surge Protector System

### TECHNICAL INFORMATION

<table>
<thead>
<tr>
<th>Model</th>
<th>System</th>
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| ACT 442-XXX-2Y0 | Single protector 4"x2"x1.5"
Design for FINK or Pedestal |
| ACT 442-XXX-2Y2 | Single protector for Indoor
With 6 ft 6 AWG cable stubs
4"x2"x1.5"                  |
| ACT 442-XXX-400 | **Discontinued and replaced by the new ACT 442-XXX-200 Series protector** |
| ACT 444-XXX-2Y0 | Single Protector for Outdoor
WEATHERPROOF 4"x4"x2" USED AS TEST PORT |
| ACT 444-XXX-2Y2 | Single protector for Outdoor
With 6 ft 6 AWG cable stubs
WEATHERPROOF 4"x4"x2" USED AS TEST PORT |
| ACT 444-XXX-3Y2 | Single protector for outdoor
With 6 ft 6 AWG cable stubs
WATERPROOF 4"x4"x2" USED FOR BACKBONE |
| ACT 444-XXX-352 | Single protector for outdoor
With 6 ft 6 AWG cable stubs
WATERPROOF 4"x4"x2"
USED FOR METRO / SPUR |
| ACT 444-XXX-402 | Single protector for outdoor
With 6 ft 6 AWG cable stubs
WATERPROOF 4"x4"x2"
USED FOR METRO-END TERMINATION |
| -XXX          | 050, 150, 350 Volts                                                   |
| Y            | 0 = No Shorting Bar 1= Shorting Bar                                   |

Part Number Example: ACT 444-150-302

*Custom voltage and cable configurations are available*