

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.

▶ RECOMMENDED LOCATION

- Buried Fiber Locations
- Pedestal Locations
- Indoor Locations

▶ FEATURES AND BENEFITS

- 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): 95V, 210V, 430V
(+10% voltage variance)

Peak Current (8x20μS): 42,000 Amps min
Life (8x20uS) 1000A 1,000 surges

Energy Dissipation 1600 joules
(10x1000μS):

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

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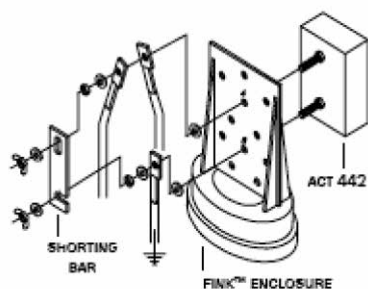
TECHNICAL INFORMATION

| Model | System |
|-----------------|--|
| 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

ACT 442-150-410 (Fink/Pedestal)



ACT 444-150-3Y2 Weather Resistant or Waterproof

