

# ACT 422-XXX-200 Series Protector

Telephone, Data, Control Line and Alarm Protectors



201

202

203

▶ With the increases in the sensitivity of commercial and residential electronic equipment, the ACT 422 200 Series DIN rail protector is perfect for preventing lightning and noise transient surges from entering into your building through the telephone or alarm cables damaging your sensitive IT equipment like computers, industrial controls, faxes and telephone equipment.

The ACT 422 200 Series is a series connected protector with screw terminals on both Line and Equipment side of the protector. is designed with a hybrid multi-stage design that the first stage gas tube robustly protects against heavy lightning surges, while the second stage Diodes insures that only a minimal let-through voltage is passed on to your electronic equipment.

The ACT 422 is an "All Mode" telecom / datacom protector that protects all lines modes of the connector for Tip to Ground, Ring to Ground and Tip to Ring.

## ▶ RECOMMENDED LOCATION

- Residential & Commercial Telephone
- Alarm Lines
- Datacom and Control Lines

## ▶ FEATURES AND BENEFITS

- Robust Design – 10kA (8x20uSec)
- Uses dual Hybrid Protection design
- Transient Silicon Diode Technology
- Fast Response Time < 1 nSec
- Extremely low let through voltages
- Absorbs and Dissipates surges within the unit
- All Mode Protection (T-R, T-G, R-G)
- 1 Year Standard Warranty

## ▶ STANDARDS MET

- UL 497A — ANSI/ IEEE C62
- 3rd Party Tested

## ▶ TECHNICAL INFORMATION

- ACT 422-XXX-201** Single pair protector with screw terminal post at both Line and Equipment side.  
**DIN Rail Mounting**
- ACT 422-XXX-202** Dual pair protectors with screw terminal post at both Line and Equipment side.  
**DIN Rail Mounting**
- ACT 422-XXX-203** Three pair protectors with screw terminal post at both Line and Equipment side.  
**DIN Rail Mounting**
- ACT 422-XXX-204** Four pair protectors with screw terminal post at both Line and Equipment side.  
**DIN Rail Mounting**
- ACT 422-XXX-206** Six pair protectors with screw terminal post at both Line and Equipment side.  
**DIN Rail Mounting**

Where XXX = 005, 024, 048, 110, 180 Volts DC

# ACT 422-XXX-200 Series Protector

## MECHANICAL SPECIFICATIONS

Dimensions: 90 mm x 18 mm x 62 mm  
 Weight: 150g

## ELECTRICAL SPECIFICATIONS

Max Current (8x20us) 10kA  
 Transfer Speed 10 Mbps  
 dB Loss <0.5  
 Connector Type Screw Terminals

Operating Voltage	Nominal Breakdown	Clamp Voltage (8x20 us 3,000 amps)
05V	<15V	70V
24V	<40V	90V
48V	<150	300V
110	<300V	350V
180V	<300V	350V

