

ACT 422 Telephone and Alarm Protector



Available in four versions:

ACT 422-180-RJ11 series is the most common configuration for telephones

ACT 422-005-RJ45 is the most common configuration for Alarms and Data line protection under +05 volts

ACT 422-060-PoE is most common for Power over Ethernet and Alarm circuit applications

ACT 422-CAT6-101 is most common for High-speed Ethernet

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
- All units shipped with male-to-male patch cord

STANDARDS MET

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

TECHNICAL INFORMATION

ACT 422-180-RJ11 4-Wire Telephone
RJ-11 Socket to RJ-11 Socket

ACT 422-005-RJ45 8-Wire Ethernet, Data and Alarm
RJ-45 Socket to RJ-45 Socket

ACT 422-060-PoE 8-Wire Power over Ethernet
RJ-45 Socket to RJ-45 Socket

ACT 422-CAT6-101 8-Wire Power over Ethernet
RJ45 10/100/1000 Base-T Ethernet

All units shipped with 12" male-to-male patch cord.

MECHANICAL SPECIFICATIONS

Dimensions: 4"x 1"x1" (100 mm x 25mm x 25 mm)
Weight: 6 oz (170 g)

RECOMMENDED LOCATION

- Residential & Commercial Telephone
- Alarm Lines
- Datacom Lines
- High-Speed Ethernet

ELECTRICAL SPECIFICATIONS

Model	Telephone	Data	PoE
Nominal Working Voltage Un	180V	5V	48V
Max. Continuous Operating Voltage Uc	250V	7.5V	70V
Nominal Load Current IL	10A		
Nominal Discharge Current In (8/20 μ s)	2.5Ka		
Max Discharge Current I_{max} (8/20 μ s)	10Ka		
Limiting Voltage Up	<300V	\leq 15v	\leq 0.25KV
Response Time ta	\leq 1ns		
Data Rate Vs	1Mbps	100Mbps	
Insertion Loss Ae	\leq 0.5dB		
Connector Type	RJ11	RJ45	
Protection Pin		Pin1/2, 3/6	Pin4/5, 7/8
Dimensions	4.09 X 1.57 X .98 inches (104x40x25mm)		
Working Environment	-40°C ~ +80°C, Relative humidity : \leq 95%		
Protection Level	IP20		