

# Model GFA (Relay)

## Ground Fault Current Detection Systems 10 to 75 Amp Trip Currents

### Operating Range

Trip currents of 10, 15, 20 & 75 Amperes.  
Time delay from 0.01 to 20 seconds.

### Input Power

Self powered.

### Frequency

50/60 Hz.

### Ambient Temperature Range

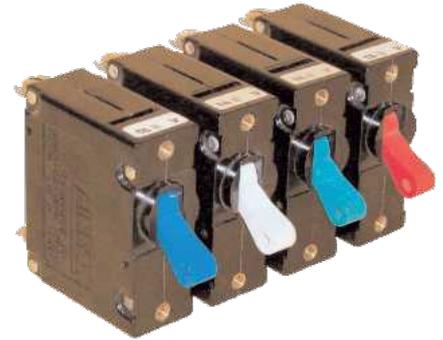
Range from -30 °C to +60° C.  
SPDT contacts Form C, rated 10 Amps.  
at 250 Volts ac, 1/4 H.P., 125 Vac.

Contacts shown with the relay in the tripped position.

Dielectric strength: GFA protectors withstand 1,500 Volts 60 Hz for 60 seconds between all electrically isolated terminals.

Insulation Resistance:  
Insulation resistance of GFA Protectors exceed 100 megohms when tested at 500 Vdc.

Only for use with GFA sensors.



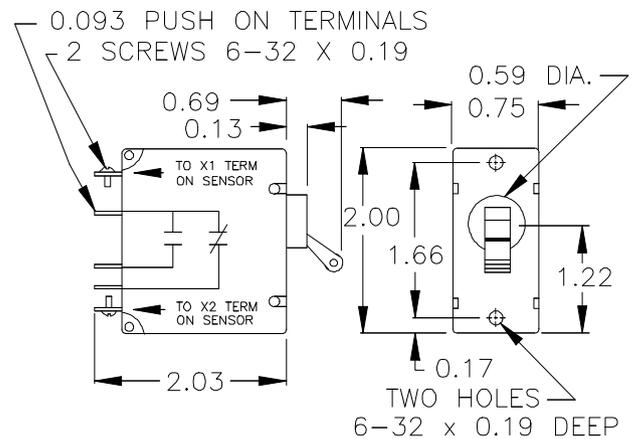
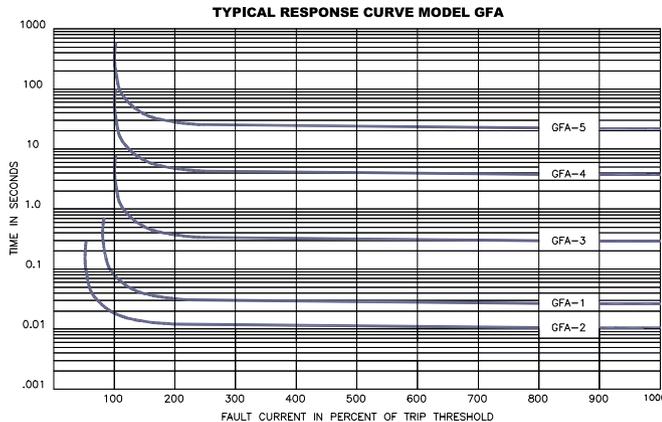
REGULATORY AGENCY APPROVALS



E33504



LR26229



### GFA (Relay)

Relay Model Number	Handle Color	Delay Type
GFA-1	WHITE	INSTANTANEOUS
GFA-2	RED	INSTANTANEOUS
GFA-3	YELLOW	SHORT DELAY
GFA-4	BLUE	MEDIUM DELAY
GFA-5	GREEN	LONG DELAY



# Model GFA (Sensor)

## Ground Fault Current Detection Systems 10 to 75 Amp Trip Currents

### Operating Range

Trip currents of 10,15,20 & 75 Amperes.  
Trip current tolerance is  $\pm 20$  percent.

### Frequency

50/60 Hz.

### Insulation Level

600 Volt, 10 kV BIL full wave.  
Terminals are brass studs No. 8-32.

Only for use with GFA relay

- The Combination of any of the sensors below and the GFA relay offers low cost ground fault protection in a self-powered, reliable system. When ordering specify sensor model number and relay part number.
- Mounting bracket kits are available for all toroidal sensors except the Model GFA 156 which has molded mounting feet.



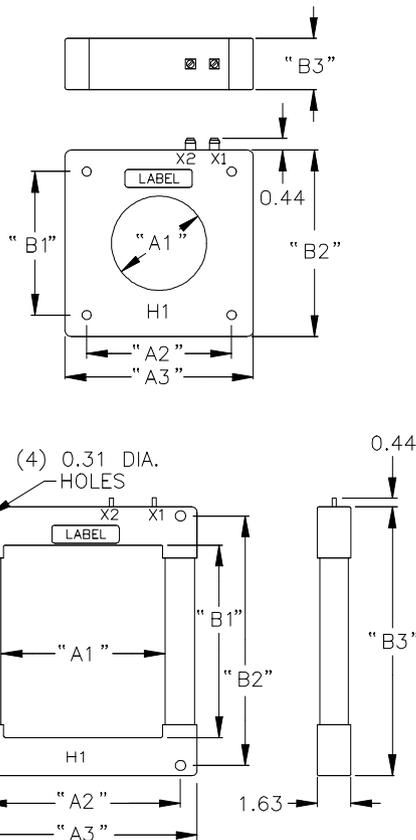
Toroidal Sensors

Rectangular Sensors

#### REGULATORY AGENCY APPROVALS



### Dimensions



### GFA (Sensor)

Trip Current	Model Number	"A1"	"A2"	"A3"	"B1"	"B2"	"B3"
10 Amp	GFA 200	2.00	3.75	4.63	N/A	5.10	3.00
15 Amp	GFA 400	4.00	5.62	7.00	5.62	7.00	2.17
20 Amp	GFA 156	1.56	N/A	4.08	N/A	4.56	2.10
20 Amp	GFA 213	2.13	3.50	4.50	N/A	4.88	2.19
20 Amp	GFA 425	4.25	5.44	6.73	5.43	6.73	1.28

### GFA (Sensor)

Trip Current	Model Number	"A1"	"A2"	"A3"	"B1"	"B2"	"B3"
75 Amp	GFA 041X 071	4.1	6.4	7.3	7.1	10.0	10.9
75 Amp	GFA 051X 071	5.1	7.2	8.3	7.1	10.0	10.9
75 Amp	GFA 058X 071	5.8	7.0	9.0	7.1	10.0	10.9
75 Amp	GFA 080 X 071	8.0	9.5	11.1	7.1	10.0	10.9

### GFA (Sensor)

Model	Bracket Kit
GFA 200	0221B00541
GFA 400	0221B00185
GFA 213	0221B00777
GFA 425	0221B00187

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