

# Station Protectors Solid State



Model 1360  
Asymmetrical Operation

Model 1360B  
Balanced Operation



## Description:

The models 1360 and 1360B are designed to provide superior transient and power fault protection for most standard station protection applications. The characteristics of the solid state protector are far superior to gas tube technology in speed of response to faults and are virtually immune to overshoot, aging, and repeated tripping within rated limits. The balanced configuration (model 1360B) provides the best protection against line to line metallic surges where the transient on one side slightly lags the other. A surge on either side of the line will cause both sides of the device to fire, providing simultaneous grounding. Nominal breakdown voltage for both devices is 300VDC.

All station protectors come with an external fail-safe mechanism that ensures safe operation even under the most adverse conditions. Under continuous surge conditions, the device will short both sides of the circuit to ground.



1360

## 1360 & 1360B Series Ordering Information

Model No.	Order No.	Breakdown Voltage	Dimensions (H"xW"xD")	Weight (lbs)
1360	801006	300 Volts	1.2 x 2.25 x 1.5	.08
1360B	801007	300 Volts	1.2 x 2.25 x 1.5	.08
1360B-240	801012	240 Volts	1.2 x 2.25 x 1.5	.08
1360B-30	801008	30 Volts	1.2 x 2.25 x 1.5	.08

Station Prot.



# Station Protectors Solid State

## 1360 & 1360B Series

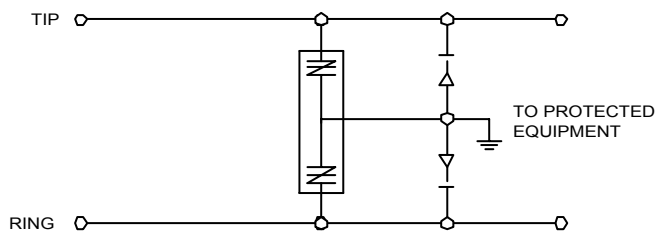


### Specifications:

	1360	1360B		1360	1360B
<b>DC Breakdown (nominal)</b> @ 100V/ $\square$ sec	300V	300V	<b>Capacitance</b> 1 Vrms @ 1KHZ, 50VDC	<100 pf	<100 pf
<b>Peak Pulse Current (max)<sup>1</sup></b> @ 8 x 20 $\square$ sec @ 10 x 160 $\square$ sec @ 10 x 1000 $\square$ sec	250A 150A 100A	250A 150A 100A	<b>Insulation Resistance</b> @ 50VDC	>100M ohms	>100M ohms
<b>Holding Current (mA)</b>	200(min)		<b>Fail-safe Operation</b> @ 1.0 A @ 5.0 A @ 20 A @ 60A	<50 sec <15 sec <10 sec <3 sec	<50 sec <15 sec <10 sec <3 sec
<b>Surge life (min operations)<sup>2</sup></b> @ 10A, 10 x 1000 $\square$ sec @ 100A, 10 x 1000 $\square$ sec @ 1Arms, 1 sec @ 10 Arms, 1 sec	unlimited >300 >60 >20	>300 >60 >20	<b>Balanced Operation</b>	No	Yes

1 total surge rating is 2x listed with respect to ground during a simultaneous surge  
2 service life requirement as per Bellcore TR-NWT-000974

1360 Solid State Station Protector  
(Asymmetrical)



Circa 1360B Station Protector  
(Symmetrical)

