BLOCKER®

STRAY VOLTAGE ISOLATORS

ELECTRICAL CHARACTERISTICS

Catalog Number	Blocking Volts	Energy	Impedance	Peak Current	Peak RMS	Weight
SVI-50 11V	11V	10,000 J	0.01%	80,000 A	100V	14 lbs.
SVI-50 22V	22V	6,000 J	0.01%	50,000 A	100V	14 lbs.

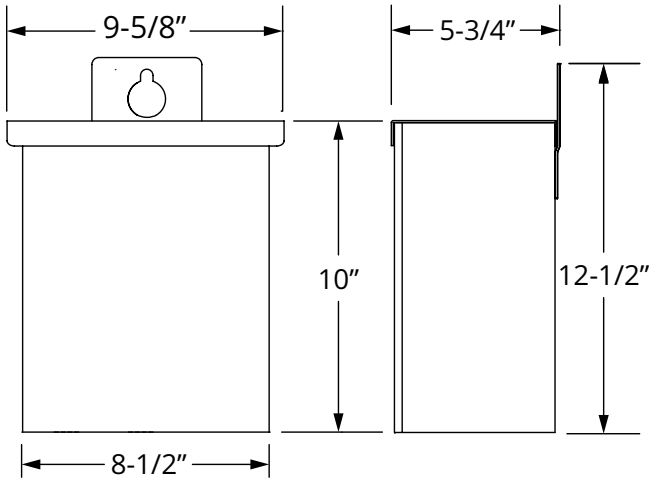
The BLOCKER® is a device designed to reduce the off-site contribution to the stray voltage problem. This simplifies the solution since any remaining problems must be on-site in nature and can be resolved accordingly.

RONK's BLOCKER® is installed between the primary and secondary neutrals of the distribution transformer. These units have a very low impedance (less than .5 ohms) for a voltage level above 12 volts. This provides the fault current path in the event of a primary to secondary short in the distribution transformer (with a 7,200 volt primary, the voltage drop of 12 volts across the BLOCKER® is less than 0.2% and is, therefore, negligible).

The device operates directly on the principle of magnetic saturation and does not depend on external controls or internal logic signals; therefore, it reacts instantaneously, providing immediate, continuous protection always. In the normal operation of a system, the primary to secondary neutral voltage seldom exceeds several volts (unless, of course, faults, poor grounds, or other problems exist). At these voltage levels, the BLOCKER® has very high impedance, effectively "blocking" the primary neutral voltage and current from entering the secondary neutral circuit and subsequently the system grounding conductors.

The BLOCKER® maintains the safety of the customer service while effectively reducing any off-site contribution to the customer's "stray voltage" problem.

DIMENSIONS OF NEMA 3R ALUMINUM ENCLOSURES *(In Inches)*



TYPICAL APPLICATIONS INCLUDE:

- Dairy and poultry farms
- Swine parlors
- Feeder and confinement operations
- Swimming pools and fountains
- Water systems
- Residences

RONK

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