

## Surge Blox™ 200 B Series *Modular*

### AC Surge Suppression Solutions

#### FEATURES

- UL Listed 1449 2nd Edition February 2007
- Increase protection by stacking modules
- Surge current capacity >200† kA 8/20 μs per phase
- Audible, visual and remote alarm notification
- Damaged components removed without suppressor failure
- Available in 1φ and 3φ configurations

ACData's Surge Blox 200 modules are offered in a patented circuit design and assembly to provide optimal surge suppression solutions. Per phase, modules may be installed individually or vertically stacked to upgrade protection. Surge Blox 200 panels are available in a variety of service voltages and enclosure sizes, and are the ideal choice for AC service entrance and distribution panel suppression.

The Surge Blox 200 design utilizes silicon avalanche diodes (SADs) and/or metal oxide varistors (MOVs) in easy-to-replace-and-upgrade modular designs. SAD and MOV modules are independently alarmed, and MOV components are individually thermal fused for reliable protection. Unit provides partial failure notification when 40% of capacity is lost, allowing for repair before protection is compromised. Green and red LEDs provide visual verification of protection status. Form C contacts are also available.



Surge Blox 200 B Series is the ideal solution for AC service entrance and distribution panel suppression.

*From order entry to shipment processing, ACData is committed to customer service and quality.*



**SURGE BLOX PANEL SPECIFICATIONS**

Panel Series	Service Voltage	Enclosure Type	Dimensions	Temperature	Module Options
B82 Series	1 $\phi$ 120/240 3W+G	NEMA 4X Fiberglass	15.5" x 13.9" x 6.25" 39cm x 35cm x 16cm	-20° C to +80° C	J, R, F, P, H
B84 Series	3 $\phi$ 208Y/120 4W+G	NEMA 4X Fiberglass	15.5" x 13.9" x 6.25" 39cm x 35cm x 16cm	-20° C to +80° C	J, R, F, P, H

**SURGE BLOX MODULE SPECIFICATIONS**

Module	Turn on Voltage (V)	L-N Voltage	MCOV	Peak Surge - 8/20 $\mu$ s†
F	270	127	175	200 kA
R	220	120	140	200 kA
H	210	120	140	10 kA
J	210	120	140	20 kA
P	205	120	140	50 kA

†Based on actual testing at Ryan Labs.

**SURGE BLOX MODULE OPTIONS\***

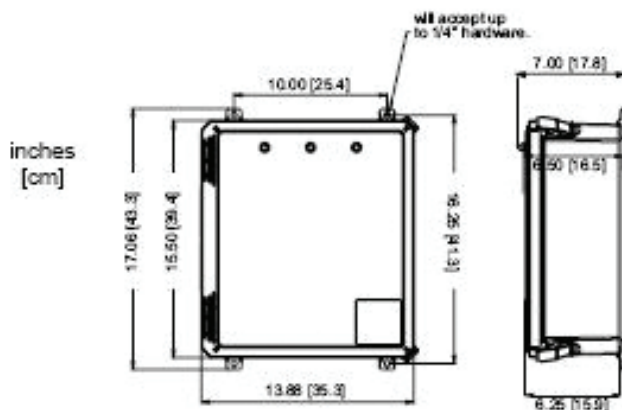
-G	Common mode protection
-NA	No remote alarm

\*Surge counters are also available as an option. For details, please speak with an ACData Account Manager.

**TYPICAL SURGE BLOX 200 CONFIGURATIONS\***

Model	Service Voltage	Peak Surge - 8/20 $\mu$ s
B82CCR	1 $\phi$ 120/240 3W+G	200 kA MOV
B82XHR	1 $\phi$ 120/240 3W+G	10 kA SAD + 200 kA MOV
B82XJR	1 $\phi$ 120/240 3W+G	20 kA SAD + 200 kA MOV
B82XPR	1 $\phi$ 120/240 3W+G	50 kA SAD + 200 kA MOV
B84CCR	3 $\phi$ 208Y/120 4W+G	200 kA MOV
B84XHR	3 $\phi$ 208Y/120 4W+G	10 kA SAD + 200 kA MOV
B84XJR	3 $\phi$ 208Y/120 4W+G	20 kA SAD + 200 kA MOV
B84XPR	3 $\phi$ 208Y/120 4W+G	50 kA SAD + 200 kA MOV

\*Numerous other configurations are available. For details, please speak with an ACData Account Manager.



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SOLUTIONS

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