

# SPECTRUM SURESTART™ CONTROLLER SWITCH HEATER CONTROL CABINET

QUALITY | RELIABILITY | LIFE CYCLE ECONOMICS

**CUSTOMER-DRIVEN DESIGN.  
SIMPLE. FLEXIBLE. SAFE.  
COTS (COMMERCIAL-OFF-THE-SHELF) COMPONENTS.**

## **SureStart Switch Heater Controller**

The Spectrum SureStart™ Control Cabinet is a complete system that provides all necessary control features for electric switch heating devices. Our standard product line offers 1-12 circuits in a single case so that you can control track switch heaters cost effectively. We use all commercial-off-the-shelf (COTS) components to make maintenance easy and affordable. Our engineers are also ready to collaborate with you to design the best possible custom solution when your requirements are outside of our standard product line.



Picture: Spectrum 6 circuit SureStart™ Control Cabinet.

### **SureStart Control Cabinet 1-6 Circuits**

Housed in a 48" x 36" x 16" enclosure.  
Controls up to 6 switch points.

### **SureStart Control Cabinet 7-12 Circuits**

Housed in a 72" x 36" x 24" enclosure.  
Controls up to 12 switch points.

### **Available Construction Types**

- Aluminum.
- Painted Steel.
- Stainless Steel.

### **Optional Features**

- Mounting legs for burial.
- Mounting legs for pad mount.
- Indicator light.
- Track level snow detector.

## **Custom Units**

For 13+ circuits or a different size enclosure, we will work closely with you to design a system to meet your specific requirements and that will provide years of trouble-free operation.

## **Automatic Operation**

The Spectrum Snow Detection System utilizes temperature and moisture sensors with adjustable settings for automatic operation of track switch heaters.

## **Standard Features on all SureStart™ Controllers**

Available in 240, 480 and 600 AC Voltages.

Single Phase or Three Phase.

Operates Manually or Automatically with Snow Detection System.

Includes remote customer connections and Signal System interface.

Ground fault protection per circuit.

Stagger Start delays the start-up time to reduce initial electrical inrush.

Protected dead front inner panel.

Safety/Service disconnect mounted on dead front door.

4-wire Configuration: separate circuit breaker for crib heaters and cal rods.

120 VAC convenience outlet.

Internal heater and light.

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# SPECTRUM SURESTART™ CONTROLLER

## SWITCH HEATER CONTROL CABINET BUYER'S GUIDE

### SureStart Cabinet Main Feed Amperage: 480VAC 3P

Number of Circuits	Cabinet Part Number	Design Load Circuits X 80A	Breaker Size for Each Circuit	Max. Amp Draw on a Single Leg	Main Feed Amp. Rating
1	SS-14803	80	2 x 50A	80	200
2	SS-24803	160	2 x 50A	139	200
3	SS-34803	240	2 x 50A	139	200
4	SS-44803	320	2 x 50A	277	350
5	SS-54803	400	2 x 50A	277	350
6	SS-64803	480	2 x 50A	277	350
7	SS-74803	560	2 x 50A	416	500*
8	SS-84803	640	2 x 50A	416	500*
9	SS-94803	720	2 x 50A	416	500*
10	SS-104803	800	2 x 50A	554	600*
11	SS-114803	880	2 x 50A	554	600*
12	SS-124803	960	2 x 50A	554	600*

### SureStart Cabinet Main Feed Amperage: 240VAC 3P

Number of Circuits	Cabinet Part Number	Design Load Circuits X 80A	Breaker Size for Each Circuit	Max. Amp Draw on a Single Leg	Main Feed Amp. Rating
1	SS-12403	80	2 x 50A	80	200
2	SS-22403	160	2 x 50A	139	200
3	SS-32403	240	2 x 50A	139	200
4	SS-42403	320	2 x 50A	277	400
5	SS-52403	400	2 x 50A	277	400
6	SS-62403	480	2 x 50A	277	400
7	SS-72403	560	2 x 50A	416	500*
8	SS-82403	640	2 x 50A	416	500*
9	SS-92403	720	2 x 50A	416	500*
10	SS-102403	800	2 x 50A	554	600*
11	SS-112403	880	2 x 50A	554	600*
12	SS-122403	960	2 x 50A	554	600*

### SureStart Cabinet Main Feed Amperage: 480VAC 1P

Number of Circuits	Cabinet Part Number	Design Load Circuits X 80A	Breaker Size for Each Circuit	Max. Amp Draw on a Single Leg	Main Feed Amp. Rating
1	SS-14801	80	2 x 50A	80	200
2	SS-24801	160	2 x 50A	160	200
3	SS-34801	240	2 x 50A	240	300
4	SS-44801	320	2 x 50A	320	400
5	SS-54801	400	2 x 50A	400	500
6	SS-64801	480	2 x 50A	480	600
7	SS-74801	560	2 x 50A	560	600*
8	SS-84801	640	2 x 50A	640	800
9	SS-94801	720	2 x 50A	720	1200
10	SS-104801	800	2 x 50A	800	1200
11	SS-114801	880	2 x 50A	880	1200
12	SS-124801	960	2 x 50A	960	1200

### SureStart Cabinet Main Feed Amperage: 240VAC 1P

Number of Circuits	Cabinet Part Number	Design Load Circuits X 80A	Breaker Size for Each Circuit	Max. Amp Draw on a Single Leg	Main Feed Amp. Rating
1	SS-12401	100	2 x 63A	100	200
2	SS-22401	200	2 x 63A	200	300
3	SS-32401	300	2 x 63A	300	400
4	SS-42401	400	2 x 63A	400	500
5	SS-52401	500	2 x 63A	500	600*
6	SS-62401	600	2 x 63A	600	600*

\*Breaker is 100% rated for continuous amperage.

Note: For continuous load calculations, multiply main feed amperage rating by 1.25.

