

SPECTRUM SURESTART™ CONTROLLER SWITCH HEATER CONTROL CABINET

QUALITY | RELIABILITY | AVAILABILITY



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.

SureStart Control Cabinet 1–6 Circuits (typical)

- Housed in a 48"× 36"× 16" enclosure
 - Controls up to 6 switch points
- (6 Circuit 480 VAC 1 phase panels housed in 72"× 36"× 24" enclosure)

SureStart Control Cabinet 7–12 Circuits

- Housed in a 72"× 36"× 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
- Independant power and protection for track and crib heaters

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
- Separate circuit breaker for crib heaters and track heaters.
- Internal heater and light
- 120 VAC convenience outlet



Rail Heating Solutions to keep you on Track



SPECTRUM SURESTART™ CONTROLLER SWITCH HEATER CONTROL CABINET BUYER'S GUIDE

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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
1	SSA-14803	80	2 x 50A	80
2	SSA-24803	160	2 x 50A	139
3	SSA-34803	240	2 x 50A	139
4	SSA-44803	320	2 x 50A	277
5	SSA-54803	400	2 x 50A	277
6	SSA-64803	480	2 x 50A	277
7	SSA-74803	560	2 x 50A	416
8	SSA-84803	640	2 x 50A	416
9	SSA-94803	720	2 x 50A	416
10	SSA-104803	800	2 x 50A	554
11	SSA-114803	880	2 x 50A	554
12	SSA-124803	960	2 x 50A	554

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
1	SSA-12403	80	2 x 50A	80
2	SSA-22403	160	2 x 50A	139
3	SSA-32403	240	2 x 50A	139
4	SSA-42403	320	2 x 50A	277
5	SSA-52403	400	2 x 50A	277
6	SSA-62403	480	2 x 50A	277
7	SSA-72403	560	2 x 50A	416
8	SSA-82403	640	2 x 50A	416
9	SSA-92403	720	2 x 50A	416
10	SSA-102403	800	2 x 50A	554
11	SSA-112403	880	2 x 50A	554
12	SSA-122403	960	2 x 50A	554

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
1	SSA-14801	80	2 x 50A	80
2	SSA-24801	160	2 x 50A	160
3	SSA-34801	240	2 x 50A	240
4	SSA-44801	320	2 x 50A	320
5	SSA-54801	400	2 x 50A	400
6	SSA-64801	480	2 x 50A	480
7	SSA-74801	560	2 x 50A	560
8	SSA-84801	640	2 x 50A	640
9	SSA-94801	720	2 x 50A	720
10	SSA-104801	800	2 x 50A	800
11	SSA-114801	880	2 x 50A	880
12	SSA-124801	960	2 x 50A	960

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
1	SSA-12401	100	2 x 63A	100
2	SSA-22401	200	2 x 63A	200
3	SSA-32401	300	2 x 63A	300
4	SSA-42401	400	2 x 63A	400
5	SSA-52401	500	2 x 63A	500
6	SSA-62401	600	2 x 63A	600



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