

Solaira[°] SMaRT Control Series

ENGINEER AND ARCHITECT SPECIFICATION

Solaira SMaRT 16A – Dual Voltage Variable Control



Optional wireless remote



Digital Variable Control

Adjust up to 16 amps of heater output to desired level

3.2kW @ 208 – 240V or 1.6kW @ 110 – 120V

Soft Start Technology

Engineered feature extends emitter life by up to 30%

Water Resistant Enclosure

For Outdoor or Indoor Applications with on-board control

Temperature Monitoring (Optional)

Built in user settable temperature sensor

Wireless Handheld Remote (Optional)

Occupancy Monitoring (Optional)

Solaira SMaRT 16-Dual Voltage Variable Controller is part of a family of water-resistant Solaira SMaRT controllers designed to provide energy savings when used with infrared heaters or other heating and lighting products. The Solaira SMaRT 16-Dual Voltage Variable Controller has a 1 to 10 step setting allowing you to find the optimum comfort setting in your specific area. With energy saving a major factor in the design, the feature rich Solaira SMaRT 16-Dual Voltage can automatically manage the heating system.

The microcontroller-based unit incorporates zero-voltage switching and a soft-start function to eliminate the heaters initial high inrush current, potentially increasing heater emitter life by as much as 30%. Installation of the unit is simple and once installed our solid-state controller is relatively maintenance-free.

Temperature Monitoring (optional)

The controller can be equipped with an optional temperature sensor that monitors the temperature and inhibits the heaters when the temperature exceeds a pre-determined set point of between 41°F (5°C) to 77°F (25°C). The controller can also be fitted with an optional remote location temperature sensor if the controller is in a different area than the heater location.

Occupancy Monitoring (optional)

If you want to have the heaters turn on and off automatically based on people in the space, the controller can also be fitted with an optional remote Occupancy Monitor. When the controller is equipped with the optional Occupancy Monitor, the heaters are switched on for a user-settable time period of between 5 and 60 minutes.

Remote Controlled (optional)

An optional remote control allows for the ultimate convenience.

Why Invest in Quality Solaira SMaRT Controls.....

The thought of the heaters being left on is a constant concern for business operators and home owners alike regardless of your installation. The Solaira SMaRT Series Controller was designed to minimize this concern and ensure your guests are kept warm and not the furniture when no one is there. With maximizing comfort and minimizing energy consumption, the Solaira SMaRT 16-Dual Voltage Variable Controller allows you to concentrate on your business and entertaining and not on whether the heaters are still switched on?

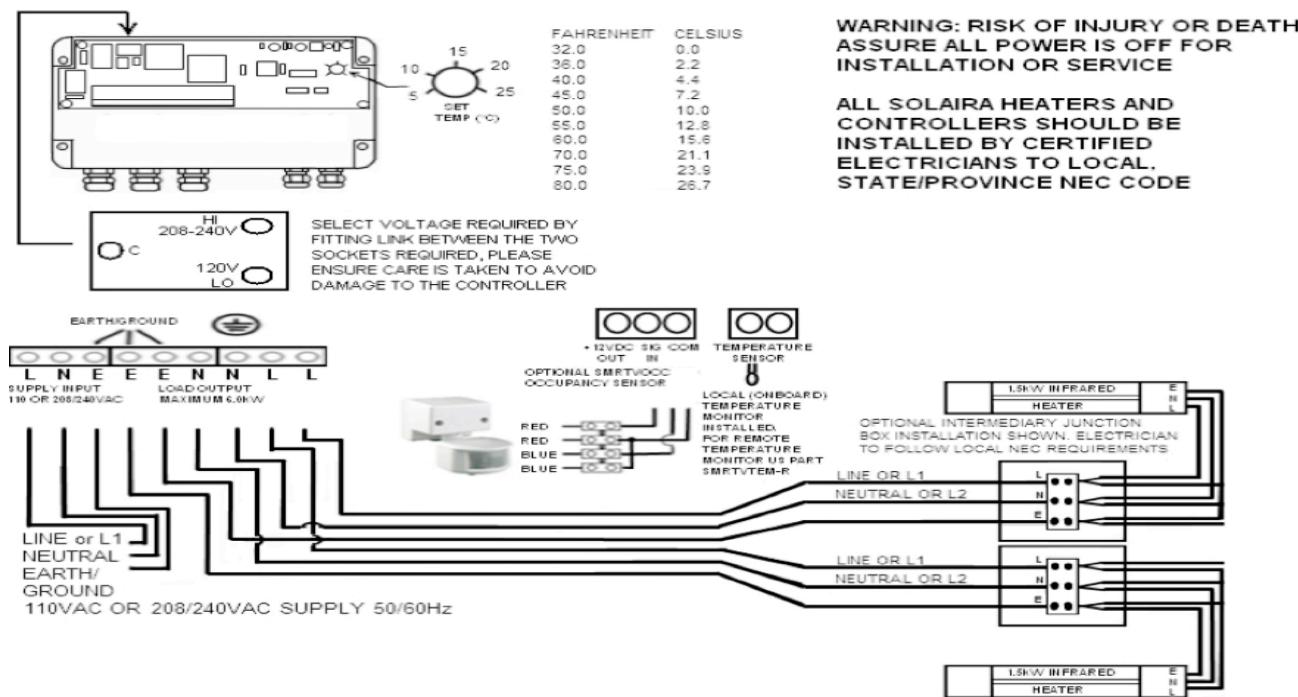
The Solaira SMaRT 16-Dual Voltage Variable Controller has been engineered to allow the user to vary the output of the heaters for the ideal comfort level. With the temperature monitoring feature and the addition of an optional remote control or occupancy monitor, the user can manage a comfortable environment and ensure energy is not wasted while money is being saved.

NOTE: SMART16-DV (120V OR 240V DUAL VOLTAGE) SUPEREDES SMaRT32240 (240V ONLY SINGLE VOLTAGE)

PART#	MAX LOAD	MAX LOAD	VOLTAGE	HEATING CONFIGURATION
SMaRT16-DV	16 Ampere	3.2kW	208-240V	- 2 X 1.5kW or 1.6 kW, 208/240 - 1 X 3.0kW or 3.2 kW, 208/240 - 1 X 2.0 kW, 208/240 - 1 X 1.5kW or 1.6 kW, 110/120V
	16 Ampere	1.6kW	110-120V	

TECHNICAL SPECIFICATION

Voltage	Electrician Selectable Dual Voltage 208 - 240Vac or 110 – 120V, 50/60 Hz Factory Setting: 208 – 240V	
Max Wattage	3.2 kW total @208-240V, 1.6kW total @ 110/120V	
Max Ampere	16 A	
Temperature on/off set point	41°F (5°C) to 77°F (25°C)	
Factory set on/off point	70°F (20°C)	
Enclosure	Surface Mounted, heat sink at rear	
Enclosure operating temperature range:	-4°F (-20°C) to 104°F (40°C)	
Enclosure Material/ Protection Rating	UL94 certified enclosure, IP65 Water Proof for outdoor/indoor use	
Dimensions	7-7/8" X 4-1/2" X 2-1/2" (200 X 110 X 60 mm)	
Certification	cETL SPE-1000, CE	
Wireless Handheld Remote (optional) Part # SMRTVRM	<u>Range</u> 30' (6 Meters)	
Occupancy Monitoring Sensor (optional) Part # SMRTVOCC	<u>Operating Voltage</u> 12V dc	<u>Detect angle and range</u> 90° Adjustable up to 50' (18 Meters)
Outdoor Remote Location Temperature Sensor (optional) Part # SMRTVTEMR	<u>Dimensions</u> 4-5/8" X 4-3/8" X 2-1/8" (115 X 110 X 55 mm)	



FOR FULL OUTPUT DAB ONCE (F)
TO SWITCH OFF DAB ONCE (O)
TO INCREASE OUTPUT INCREMENTALLY
HOLD BUTTON AS REQUIRED



TEMPERATURE TRIP SET POINT, THE CONTROLLER
SWITCHES OFF AND THE DISPLAY SHOWS 'T' WHEN
THE AMBIENT TEMPERATURE REACHES THIS LEVEL

SOLAIRA SMaRT16-DV VARIABLE CONTROL

JOB NAME _____ JOB LOCATION _____
 ARCHITECT _____ ENGINEER _____
 CONTRACTOR _____ SUBMITTED BY _____ DATE _____
 ITEM SPEC _____ add options _____ + _____ + _____ QTY _____

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