

Solaira^o™ **SMaRT Control Series**

ENGINEER AND ARCHITECT SPECIFICATION

Solaira SMaRT 60 Variable Control



Digital Variable Control

- Adjust up to 6kW heater output to desired level
- Offers energy savings for Infrared Heaters

Temperature Monitoring

- Built in user settable temperature sensor

Soft Start Technology

- Engineered feature extends emitter life by up to 30%

Water Resistant Enclosure

- For Outdoor or Indoor Applications

Wireless Handheld Remote (Optional)

Occupancy Monitoring (Optional)



SPE- 1000 listed

Solaira SMaRT 60 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 60 Variable Controller has a 1 to 10 step setting allowing you to find the optimum comfort setting in you specific area. With energy saving a major factor in the design, the feature rich Solaira SMaRT 60 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

The controller has a built in 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 then 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 60 Variable Controller allows you to concentrate on your business and entertaining and not on whether the heaters are still switched on?

The Solaira SMaRT 60 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.

PART#	MAX LOAD	VOLTAGE	HEATING CONFIGURATION
SMRTVAR60	6.0kW	208-240V	- 4 X 1.5 kW, 208/240 - 3 X 2.0 kW, 208/240 - 2 X 3.0 kW, 208/240 - 1 X 6.0 kW, 208/240

TECHNICAL SPECIFICATION

Voltage	208 - 240Vac 50/60 Hz
Max Wattage	6.0 kW total
Max Ampere	25 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	11" X 6-5/8" X 3-1/8" (280 X 170 X 80 mm)
Certification	cETL SPE-1000, CE

Wireless Handheld Remote (optional)
Part # SMRTVRMT

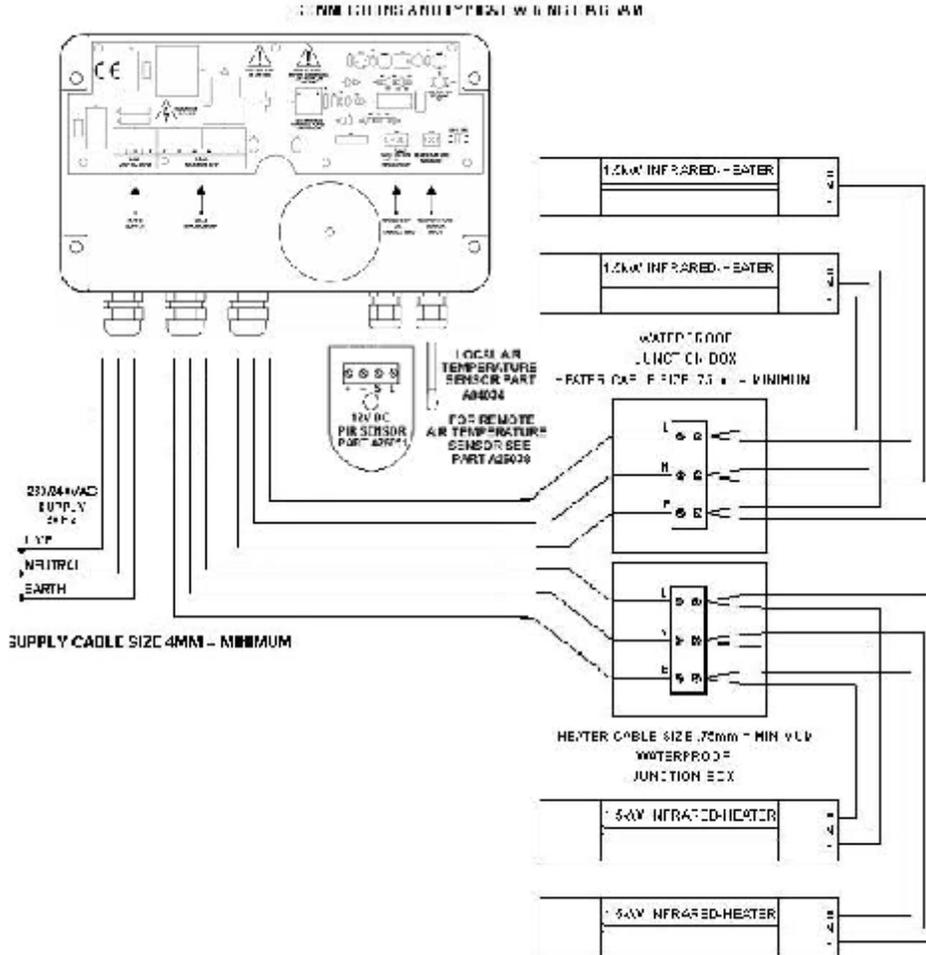
Range
30' (6 Meters)

Occupancy Monitoring Sensor (optional)
Part # SMRTVOCC

Operating Voltage Detect angle and range
12V dc 90° Adjustable up to 50' (18 Meters)

Outdoor Remote Location Temperature Sensor (optional)
Part # SMRTVTEMR

Dimensions
4-5/8" X 4-3/8" X 2-1/8" (115 X 110 X 55 mm)



SOLAIRA SMaRT 60 VARIABLE CONTROL

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