Solaira°

SMaRT Control Series
ENGINEER AND ARCHITECT SPECIFICATION

Solaira SMaRT Occupancy Monitor

- ### Occupancy Monitoring
  Offers energy savings for Infrared Heaters when there is no one in the zone

- ### Temperature monitoring
  Built in user settable temperature

- ### Soft Start Technology
  Engineered feature extends emitter life by up to 30%

- ### Water Resistant Enclosure Design
  For Outdoor or Indoor Applications

ETL SPE-1000 listed

SOLAIRA SMaRT Occupancy 40 and 60

Solaira SMaRT passive infrared occupancy 40 and 60 are part of a family of Solaira SMaRT controllers designed to provide energy saving when used with infrared heaters or other heating and lighting products. These models have a built in passive Infrared sensor allowing the heaters to automatically switch on only when people are present. The Solaira SMaRT Occupancy 40 and 60 also feature an on-board temperature sensor that monitors the local 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 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%. The heaters are switched on for a user-settable time period of between 5 and 60 minutes. This period is reset each time the PIR detects any further movement. Installation of the unit is simple and once installed is relatively maintenance-free.

SMaRT OCCUPANCY DESIGN

SMRTOCC40	Maximum 4.0kW, 208-240V	- 2 X 1.5 kW,208/240 or 2 X 2.0 kW,208/240 or 1 X 3.0 or 4.0kW, 208/240
SMRTOCC60	Maximum 6.0kW, 208-240V	- 4 X 1.5 kW,208/240 or 4 X 2.0 kW,208/240 or 2 X 3.0 kW, 208/240
		Or 1 X 6.0 kW, 208/240

TECHNICAL SPECIFICATION

Part #	Voltage	Max Heater Watt	Max Heater Load	On-Time	Temperature Monitor Set Point	Detection Range/ Angle
SMRTOCC40	208-230V	4.0kW	16.6 A	1-60Minute	41°F (5°C) to 77°F (25°C)	16' (5 m)/100°
SMRTOCC60	208-230V	6.0kW	25 A	1-60Minute	41°F (5°C) to 77°F (25°C)	16' (5 m)/100°

Enclosure Dimensions:	5-1/8" X 5-1/8"X 3" (130x130x75 mm)
Enclosure Operating Temperature Range:	-20°C to 40°C
Enclosure/Protection Rating:	UL94 certified Resin Enclosure, IP65 Water Proof for outdoor/indoor use
Certification	cETL SPE-1000, CE

SOLAIRA SMaRT OCCUPANCY 40 and 60 SUBMITTAL

JOB NAME _____ JOB LOCATION_____
ARCHITECT _____ENGINEER _____
CONTRACTOR _____SUBMITTED BY_____DATE_____
ITEM SPEC_____ QTY_____CONTROLS_____