



S200 SERIES OCCUPANCY PRODUCTS

SMART ENERGY MANAGEMENT SYSTEM



HIGHLIGHTS

- **Ideal for commercial properties**
- **Maintains comfort in occupied spaces while reducing energy costs**
- **Master sensor with programmable delays reduces needless HVAC operation**
- **Open door or window switches disable HVAC system automatically**
- **High/low temperature setbacks determine acceptable temperature range**
- **Wireless & wired options available**

Smart Energy Management Reduces Consumption & Costs

The S200 Series Smart Energy Management System provides automatic occupancy-oriented operation control of HVAC units in applications including hotels and resorts, schools, military lodging, commercial offices, conference rooms, and more.

By utilizing proven passive infrared (PIR) sensing technology and intelligent logic control software, the S200 series devices are able to verify the occupancy status of rooms. If the room is physically occupied, the system will allow the occupant to control the HVAC operation as usual. Once the room is vacant, the system will automatically setback the HVAC to reduce energy consumption and equipment wear.

The S200 series of occupancy detection products offers versatility for use in any HVAC application:

- Existing HVAC systems
- New systems operating with non-PECO thermostats
- New systems operating with PECO thermostats

You can choose from one of PECO's popular Smart Energy Management System Kits or mix and match your own products to best suit your system's wired or wireless needs.

S200 SERIES SMART ENERGY MANAGEMENT SYSTEM

TECHNICAL SPECIFICATIONS

	SA200-001	SB200-001	SD200-001	SD200-002	SW205-001
DETECTION PATTERN/ RANGE	360°, 2.5' (.76M) x mounted height AT 77°F (25°C)	110°, 50'x50' (15x15M) AT 77°F (25°C)	110°, 50'x50' (15x15M) AT 77°F (25°C)	110°, 50'x50' (15x15M) AT 77°F (25°C)	110°, 49'x49'(14.9x14.9M) AT 77°F (25°C)
RELAY OUTPUT	FORM C, 30 VDC, 0.2A MAX.	FORM C, 30 VDC, 0.2A MAX.	FORM C, 24V/DRY CONTACT SELECTABLE	FORM C, 24V/DRY CONTACT SELECTABLE	
RELAY CONTACT			AC: 250V, DC: 30V, 5A RESISTIVE LOAD	AC: 250V, DC: 30V, 5A RESISTIVE LOAD	
HIGH-TEMP LIMIT			85°/82°/79°F (30°/28°/26°C)	85°/82°/79°F (30°/28°/26°C)	
LOW-TEMP LIMIT			59°/55°/51°F (15°/13°/11°C)	59°/55°/51°F (15°/13°/11°C)	
MOUNTING HEIGHT	7.9'~13.8' (2.4~4.2M)	5.9'~11.8' (1.8~3.6M)	5.9'~11.8' (1.8~3.6M)	5.9'~11.8' (1.8~3.6M)	5.9'~11.8' (1.8~3.6M)
DETECTABLE SPEED	0.3~10FT/SEC (0.1~3M/ SEC)	0.3~10FT/SEC (0.1~3M/SEC)	0.3~10FT/SEC (0.1~3M/SEC)	0.3~10FT/SEC (0.1~3M/SEC)	0.3~10FT/SEC (0.1~3M/SEC)
DIMENSIONS	4.33x1.73 (110x44)	4.4x2.6x1.8 (112x66x46)	4.4x2.6x1.8 (112x66x46)	4.4x2.6x1.8 (112x66x46)	4.4x2.6x1.8 (112x66x46)
ON DELAY	0/10SEC/ 30SEC/ 1MIN/ 5MIN/ 10MIN	0/10SEC/ 30SEC/ 1MIN/ 5MIN/ 10MIN		0/10SEC/ 30SEC/ 1MIN/ 5MIN/ 10MIN	0/10SEC/ 30SEC/ 1MIN/ 5MIN/ 10MIN
OFF DELAY	10SEC/ 1MIN/ 5MIN/ 10MIN/ 20MIN/ 30MIN	10SEC/ 1MIN/ 5MIN/ 10MIN/ 20MIN/ 30MIN		10SEC/ 1MIN/ 5MIN/ 10MIN/ 20MIN/ 30MIN	10SEC/ 1MIN/ 5MIN/ 10MIN/ 20MIN/ 30MIN
RADIO FREQUENCY					902-928 MHZ

	SE200-001	SE200-002	SW206-001
MAX VOLTAGE	30 VDC	30 VDC	
MAX CURRENT	0.2 AMP	0.2 AMP	
SWITCH CONTACTS	FORM A, DRY CONTACTS	FORM A, DRY CONTACTS	
RADIO FREQUENCY			902-923 MHZ

	SF200-001
POWER SUPPLY	100~277 VAC
POWER OUTPUT	24 VAC, 200 mA
RELAY OUTPUT	N.O. DRY CONTACT CONTROL OR 5V TTL CONTROL
RELAY CONTACT	10 AMP @ 250 VAC
OPERATING TEMP	-14°F~144°F (-10°C~60°C)
HUMIDITY	95% RH MAX.
DIMENSIONS	4.3x2.1x1.3 (110x53x33)

MODEL SELECTION GUIDE

MODEL	PART NUMBER	DESCRIPTION
SA200-001	68374	SLAVE MOTION SENSOR, CEILING MOUNT
SB200-001	68375	SLAVE MOTION SENSOR, WALL/CEILING MOUNT
SD200-001	68376	GUESTROOM MASTER MOTION SENSOR
SD200-002	68377	TIME-BASED MASTER SENSOR
SE200-001	68379	DOOR SWITCH
SE200-002	68380	WINDOW SWITCH
SF200-001	68378	POWER PACK
SK200-001	68381	STANDALONE SYSTEM KIT (MOTION)
SK200-002	68382	STANDALONE SYSTEM KIT (TIME-BASED)
SK200-003	68388	THERMOSTAT/ SENSOR SYSTEM KIT (MOTION)
SW205-001	69996	WIRELESS OCCUPANCY SENSOR (MUST BE USED WITH SW206-001)
SW206-001	69997	WIRELESS DOOR / WINDOW SENSOR



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