PIR AND DUAL TECHNOLOGY OCCUPANCY/VACANCY SENSOR SWITCH

42E SERIES

MarkTime® Brand of Energy Saving Products

DESCRIPTION

The **MarkTime® 42E Series** occupancy sensors with LED sensor indicator are ideal for lighting control in rooms that are not occupied all the time. Time delay and sensor sensitivity are field adjustable. Use with Incandescent, fluorescent and CFL lighting. Indoor use only.

FEATURES

- ***Time delay and Occupancy sensitivity adjustable***
- ***Some with Light level field***
- ***Pushbutton manual override***
- ***Use with incandescent, fluorescent and CFL lighting***
- ***Wall plate included***
- ***California title 24 compliant***

42ESD1

42ES5HD

42ES624

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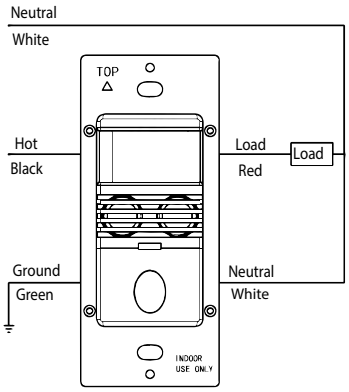
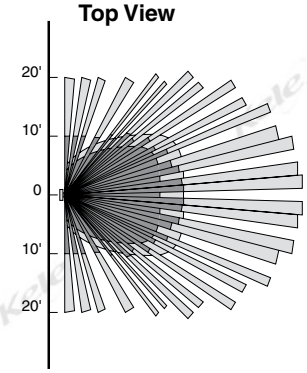
WIRING

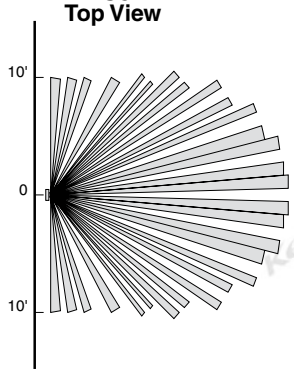


COVERAGE PATTERNS

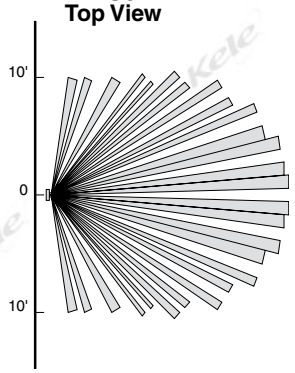
42ESD1 Top View



42ES5HD Top View



42ES624 Top View



SPECIFICATIONS

Supply Voltage	Product specific
42ES	120 VAC ± 10%, 50/60 Hz
42EDS1	120/277 VAC ± 10%, 50/60 Hz
Relay Output	
42ES624	120VAC, 500W, 1/8 HP
42ES5HD	120VAC, 800W, 1/4 HP
42EDS1	(120VAC, 800W, 1/4 HP), (277VAC, 1600W)
42ES5HD/42EDS1	Light level SP to keep lights OFF
Technology	
42ES624	Temperature compensated, Infra-Red (IR) w/ Fresnel lens
42ES5HD	Temperature compensated, Infra-Red (IR) w/ Fresnel lens
42EDS1	Dual IR and Ultrasonic motion detection
Operational Modes	Occupied-Auto ON or Vacancy-Man ON, w/ Time Delay OFF
42ES624	Vacancy mode (only)
42ES5HD	Occupied mode (default) or Vacancy w/setup
42EDS1	Occupied mode (default) or Vacancy w/setup
***Light Level**	Photocell w/Set Point (SP)-(keeps lights OFF above SP)
Motion Activation	Motion resets adjustable OFF time delay
Special Features	
Lights Out Alert	None
Coverage Pattern	4' High wall switch plate w/180° half oval coverage
42ES624	10' wide to 20' out from sensor center
42ES5HD	10' wide to 20' out from sensor center
42EDS1	Ultra S.-Volumetric 7.5' x 15' , IR-10' wide to 20' from sensor center
Sensitivity	Adjustable for each technology
42ES624	IR- POT Adjustment
42ES5HD*	IR- POT Adjustment and light level*
42EDS1*	Ultra S. - POT Adjustment, IR - max/min, and light level*
***Light Level**	Light level adj. 10–1000FC to keep lights OFF
Permanent Override ON or OFF	None
OFF Delay Time (TD)	7 settings w/DIP switches (1 to 30 minutes)
Indication	IR-Red LED ON / Ultra- Blue ON, when motion is detected
Mounting	Single gang box, w/ rocker plate included
Color	White or Ivory
Operating Temperature	32° to 131°F(0 to 55°C
Operating Humidity	10-95% non-condsensing
Wiring	4 Pig tails (see wiring)
Enclosure Rating	NEMA 1
Dimensions	W x H X D, w/Rocker plate included
42ES624	1.75"W x 4" H x 2"D (4.4 x 10.2 x 5 cm)
42ES5HD	1.75"W x 4"H x 1.75≤D (4.4 x 10.2 x 4.4 cm)
42EDS1	1.75"W x 4.1"H x 1.75"D (4.4 x 10.5 x 4.4 cm)
Weight	0.4 lbs (0.181 Kg)
Approvals	UL File #E252289
Warranty	
42ES624	2 year
42ES5HD	5 year
42EDS1	3 year

ORDERING INFORMATION

MODEL	DESCRIPTION
42ES624-W	PIR sensor Wall Switch with manual on and vacancy off mode, white
42EDS1-I	Dual-tech, Wall Switch with occupancy or vacancy mode, ivory, and light level setpoint
42EDS1-W	Dual-tech Wall Switch with occupancy or vacancy mode, white, and light level setpoint