

WIRELESS

ENOCEAN REMOTE CONTROL, KEY CARD SWITCH, WINDOW/DOOR CONTACT EASYSSENS SPECIALTY WIRELESS TRANSMITTERS

thermokon[®]
Sensortechnik GmbH

DESCRIPTION

The Thermokon EasySens Specialty Transmitters are EnOcean wireless devices. They are energy harvesting, battery free wireless transmitters that are used for variety of applications.

Model **4-CH-EC** is a four button remote control that could be used as lighting On/Off, dimmer or roller blind control. **SR-KCS-315** model is wireless key card switches could be used for occupied room or office lighting control. Model **SRW01-315** is a wireless window or door contact for status monitoring. These transmitters communicate with other Thermokon EnOcean based receiver controllers (model frequency dependent).

FEATURES

- *EnOcean Wireless, Energy Harvesting*
- *Batteryless, Maintenance Free*
- *Use in Variety of Applications*



SR-KCS



4-CH-EC



SRW01



SPECIFICATIONS

DEVICE OPERATION

Supply Voltage	SR-KCS	4-CH-EC Electrodynamic energy generator from switch action
	SRW01	Solar cell standard, 2 cm≤ goldcap
Sensor Type	SRW01	Device Contact Closure
	SR-KCS	Door/Window contact (Surface)
	4-CH-EC	Card Slot contact (Surface)
Transmitted Range Value	4-CH-EC	4 button Hand held remote control
Controller		Open/Closed
Controller		Sequence
Accuracy		Parameters
		Digital On/Off
Program Learning		
	SRW01	Button
	SR-KCS	Insert a card
	4-CH-EC	Push each button
Mounting		
	SRW01	Transmitter-Two holes, Magnet- Two holes
	SR-KCS	Transmitter-Two holes
	4-CH-EC	Hand held
Operating Temperature		-13° to 149°F (-25° to 65°C)
Operating Humidity		0 to 95% RH, non-condensing
Construction		ABS Plastic, UL94 V-0
Enclosure Rating		NEMA 1 (IP40)
Dimensions		
	SRW01	3.63"H x 0.81"W x 0.63"D (16.8 x 2.1 x 1.6 cm)
	Magnet	0.81"H x 0.5"W x 0.38"D (2.1 x 1.3 x 1.0 cm)
	SR-KCS	4"H x 2.38"W x 0.75"D (10.2 x 6.0 x 1.9 cm)
	4-CH-EC	3.27"H x 1.97"W x 0.98"D (8.3 x 5.0 x 2.5 cm)
Weight		
	SRW01	0.13 lb (0.06 Kg)
	SR-KCS	0.35 lb (0.16 Kg)
	4-CH-EC	0.18 lb (0.08 Kg)
Warranty		2 years

RADIO TRANSMITTER

Protocol	EnOcean	
Frequency	902 MHz, (Classic 315 MHz available on request)	
Modulation	Direct Sequence Spread Spectrum (DSSS)	
Transmit Power	10 mW (10 dBm)	
Open Air Range	328 ft (100m)	
Low Battery Indication	Yes for the SRW01	
Transmission time	20ms	
Transmission Interval	Transmits on eah Change of State (COS) operation	
Antenna	Internal	
Channels	One	
Device Addresses	100 transmissions per minute	
Programming	Push button in field	
EnOcean Equipment Profile	EEP #, Defines payload and control sequence use	
	SRW01	D5-00-01, Door/Window switch single contact
	SR-KCS	F6-02-01, Card key Switch
	4-CH-EC	F6-02-01, Hand held remote control
Repeater Capable	Yes, (can increase open air range x2)	
Compliance	FCC ID# S3NSRXX, RoHS, CE	

ORDERING INFORMATION

MODEL †	DESCRIPTION
4-CH-EC	4 Button Remote Control
SR-KCS	Key Card Switch
SRW01	Wireless window/door contact switch

† Add -902 for 902 MHz or -315 for 315 MHz at the end of the part number to order.

TK-AS-902	ACCESSORIES
	Airscan configuration & survey USB transceiver (free software for Microsoft [®] or Apple [®] laptops)