WIRELESS

ENOCEAN WIRELESS KEY CARD READER AND HANDHELD REMOTE
E9T-C2AWH, E9T-S2H

DESCRIPTION

The **ILLUMRA E9T-C2AWH Key Card Switch** is a wireless card reader. Inserting a key card provides the energy to transmit a wireless signal that controls lights or other devices connected to **ILLUMRA** receivers. Removing the card powers off the controlled device.

The **ILLUMRA E9T-S2Hxx Handheld Remote** is also a wireless device that sends a control signal to the other devices. By pressing the switch on the remote, the signal transmits to each device within range a call for power.

E9T-C2AWH   **E9T-S2HWH**

FEATURES

E9T-C2AWH
• *Control all or only selected devices in a room*
• *Use with most room key cards*
• *Installs in minutes*

E9T-S2H
• *Control lights, motors, or other electric loads*
• *Use in single pole, 3-way, or 4-way switch applications*
• *One switch can control unlimited receivers within range*
• *Experience wireless dimming control or rocker, toggle, or momentary switch functionality*

SPECIFICATIONS

DEVICE OPERATION

Supply Power	
E9T-C2AWH	Electrodynamic energy generator from card insertion
E9T-S2H	Self-powered when switch is pressed
Sensor Type	Mechanical switch
Credit Card Size	2.13" W x 3.375" H x 0.03" Thick
	Note: Any card will work if it fits into the slot
Hand Held Remote	Push 1 of 4 buttons (Rockers)
Transmitted Range Value	
E9T-C2AWH	Open/Closed
E9T-S2H	50-150 ft
Accuracy	Digital On/Off
Mounting	Screws or adhesive to wall (not included)
Operating Temperature	-13° to 149°F (-25° to 65°C)
Operating Humidity	0 to 95% RH, Non-condensing
Construction	ABS Plastic, UL94 V-0
Color	White
Enclosure Rating	NEMA 1 (IP40)
Dimensions	
E9T-C2AWH	3.05"W x 4.65"H x 1.04"D (7.75 x 11.81 x 2.64 cm)
E9T-S2H	1.85"W x 3.15"H x 0.7"D (4.70 x 8.00 x 1.78 cm)
Weight	
E9T-C2AWH	0.3 lbs (0.14 Kg)
E9T-S2H	0.15 lbs (0.07 Kg)
Warranty	3 years

RADIO

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	150 ft (45m)
Transmission time	20ms
Transmission Interval	Transmits on COS during card insertion
Antenna	Internal
Channels	One
Device Addresses	100 transmissions per minute
Programming	Any card insertion in field
EnOcean Equipment Profile	
	EEP #, Defines payload and control sequence use,
	F6-02-01, Light & Blind CTRL, Appl 1, F6-02-02, Light & Blind CTRL, Appl 2
Repeater Capable	Yes, (Can increase open air range x2)
Compliance	
E9T-C2AWH	IC# 5713A-PTM200C, 5713A-PTM210C or 5713A-PTM210U, RoHS, CE
E9T-S2H	FCC, IC, RoHS

ORDERING INFORMATION

MODEL†	DESCRIPTION
E9T-C2AWH	Wireless key card reader, 902 MHz
E9T-S2HBK	Handheld remote wireless light switch, 902 MHz, black
E9T-S2HWH	Handheld remote wireless light switch, 902 MHz, white

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