



thermokon
Sensortechnik GmbH

DESCRIPTION

The **Thermokon EasySens Input Modules** are EnOcean wireless input modules provide information and status to a higher level controller. The module **SR65 DI** has one digital input for dry contacts by which the switch status can be evaluated. The status of the contact (opened/closed) is transmitted by an EnOcean radio signal to a receiver.

The module **SR-MI-HS** has three inputs for receiving pulses from water, gas, electric or BTU meters with S0 interfaces (DIN 43864). Pulses of every inputs are totaled independently and the total will be transmitted every 5, 10, 100 or 1000 seconds, depending on the settings. In addition, a signal can be generated and transmitted every 10th or every 100th pulse.

FEATURES

- **EnOcean Wireless**
- **Adjustable Transmission Intervals**
- **Easy to Setup "Learn Button"**



SR65-DI-315



SR-MI-315



SPECIFICATIONS

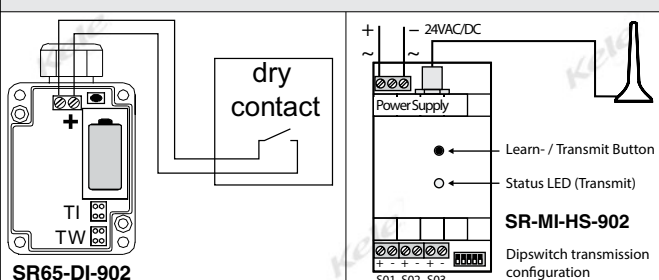
DEVICE OPERATION

Supply Voltage	
SR65-DI	Battery, 3.6V, 1.1Ah, 1/2 AA, Lithium LS14250, Battery life 5+ years @ 100 second intervals
SR65-MI	24 VDC @ 66 mA, ±10% (No Battery), 24 VAC @ 3.2 VA, ±10%
Sensor Type	Dry Contact, .5mA min, <1KO max on closure
SR65-DI	1 ON/Off monitored contact (by others)
SR65-MI	3 Accumulated pulses from meters (By others)
Transmitted Range Value	
SR65-DI	Monitored open or closed contact
SR65-MI	3 Accumulated values from xx-yy, with rollover
Accuracy	
SR65-DI	Digital On/Off
SR65-MI	Digital Pulse, 5 pulses per second
Indication	
Time Interval	(-DI)-Jumpers or (-MI)-Dip Switches
Time Wakeup	(-DI) TW-Jumper, (100 or 1,000 seconds), Measures value (-MI) switches for auto transmit @ every 10 or 100 pulses
Program Learning	Button
Mounting	
SR65-DI	Two through mount holes w/internal terminals
SR65-MI	DIN rail w/open terminals
Wiring	
SR65-DI	Two input terminals, 22-16 AWG
SR65-MI	8-terminals, 22-16 AWG, 1-FME Antenna connector
Operating Temperature	-13° to 149°F (-25° to 65°C)
Operating Humidity	0 to 75% RH, non-condensing
Construction	ABS Plastic, UL94 V-0
Enclosure Rating	(-DI) NEMA 4 (IP65) Internal, (-MI) NEMA 1 (IP20)
Dimensions	
SR65-DI	2.2"H x 3.1"W x 1.8"D (5.8 x 7.8 x 4.5 cm)
SR65-MI	2.4"H x 2.0"W x 3.6"D (6.0 x 5.1 x 9.1 cm)
Weight	0.57 lb (0.26 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 SR65-DI
Transmission time	20ms
Transmission Interval	
SR65-DI	On COS or every 1000 seconds standard, ±20% dither
SR65-MI	Can be field set 10, 100 or 1000 seconds
	Every 5, 10, 100 or 1000 seconds, Field selectable
	And/Or at pulse count intervals (Off,10,100), Field selectable
Antenna	(-DI) Internal, (-MI) external
Channels	One
Device Addresses	100 transmissions per minute
Programming	Push button in field
EnOcean Equipment Profile	EEP #, Defines payload and control sequence use
SR65-DI	A5-30-01, Digital Input
SR65-MI	A5-12-00, Pulse counter
Repeater Capable	Yes, (can increase open air range x2)
Compliance	FCC ID# S3NSRXX, RoHS, CE

WIRING



ORDERING INFORMATION

MODEL	DESCRIPTION
SR65-DI-902	Digital Input-module, 902 MHz
SR-MI-HS-902	Energy Meter 3x Pulse Inputs, 902 MHz
TK-AS-902	ACCESSORIES
	Airscan configuration & survey
	USB transceiver (free software for Microsoft® or Apple® laptops)