



thermokon
Sensortechnik GmbH

DESCRIPTION

The **Thermokon EasySens Repeater** is designed for low-level amplification of radio signals between EnOcean sensors and receivers. Typically, the repeater is used if the sensor location is outside the receiving range or if there are range problems between sender and receiver with existing installations such as walls and appliances interfering with the radio signals.



EasySens Repeater



FEATURES

- **EnOcean Wireless Technology**
- **Easy to Use and Setup**
- **Internal and External Antenna Options**
- **Upto 2 Levels Repeating**

SPECIFICATIONS

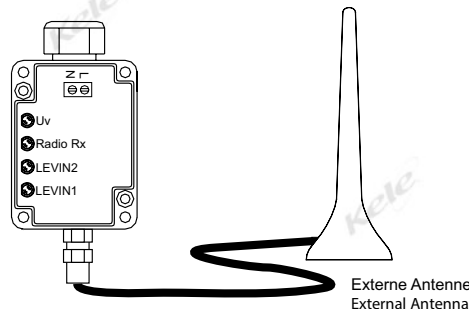
DEVICE OPERATION

Supply Voltage	15-24VDC, 25mA, 24VAC, 1.5VA ±10%
Accuracy	No degradation of accuracy
Indication	3 LEDs, Power, RX, Error 1 switch for level 1 (off) or Level 2 operation (on) Level 1 Repeat original transmitter only Level 2 Repeat original transmitter and other repeated signals
Mounting	Two through mount holes
Optional Remote Antenna	Magnetic mount
Wiring	2 Power terminals through cable gland Optional Remote Antenna 1-FME male connector
Operating Temperature	-4° to 140°F (-20° to 60°C)
Operating Humidity	0 to 75% RH, non-condensing
Construction	ABS Plastic, UL94 V-0
Enclosure Rating	NEMA 1 (IP42)
Dimensions	3.07"W x 1.79"H x 2.28"D (7.8 x 4.6 x 5.8 cm)
Weight	0.8 lb (0.36 Kg)
Warranty	2 years

RADIO TRANSCEIVER

Protocol	EnOcean
Frequency	902 MHz, (Classic 315 MHz available on request)
Modulation	Direct Sequence Spread Spectrum (DSSS)
Transmit Power	10 mW (10 dBm)
Receiver Sensitivity	-102 dB
Open Air Range	328 ft (100m)
Low Battery Indication	N/A
Transmission time	20ms
Transmission Interval	Receives and retransmits (1st In - 1st out)
Lost Comm. Fail Safe	No fail safe
Antenna	Internal or remote w/8 ft cable & FME female connector
Channels	One
Device Addresses	100 transmitters within 100'
Programming	Not required
Repeater Capable	Yes, (can increase open air range x2)
Compliance	FCC ID# SZV-TCM320U, IC# 5713A-TCM320U, RoHS, CE

WIRING



ORDERING INFORMATION

MODEL
SRE-REPEATER

DESCRIPTION

Repeater with 8.2' External Antenna, 902 MHz

NOTE: Add **/B-EXT-315** at the end of the part number to order 315 MHz version.

ANT10-902
ANT20-902
TK-AS-902

ACCESSORIES

Extension for external antenna, length 32ft, 902 MHz

Extension for external antenna, length 65ft, 902 MHz

Airscan configuration & survey USB transceiver (free software for Microsoft® or Apple® laptops)