

Infrared, radio or EnOcean receivers

Compatible with **Daalton**® and **Karno**® ranges



Overview

Receivers receive orders provided by a control interface and transmit them to a lighting, sunblind or HVAC (Heating, Ventilation and Air-Conditioning) controller via a RJ9 cable.

Several receivers are available depending on the technology required for your installation:

- Infrared
- Radio
- EnOcean

Applications

- These accessories, directly connected to a controller, enable lighting, sunblind and HVAC management. They transmit orders emitted by a control interface (room sensor, remote control or switch).
- The RIR-L receiver is dedicated to lighting applications: it measures the average lighting intensity (from 0 to 1000 Lux) and enables a window / corridor side management.

Features & Benefits

- Discreet (infrared receivers are slotted into the ceiling) or invisible (radio receivers are hidden in the suspended ceiling) accessories.
For more information about mounting instructions, please refer to the hardware installation guide.
- Can be connected either to a lighting, sunblind or HVAC controller through a RJ9 digital link (quick plug-in).
- The RIR-L is dedicated to automatic lighting management (light intensity sensor).
- The EnOcean receiver can be integrated with an EnOcean wireless battery-less installation.

Product Warranty & Total Quality Commitment

All Distech Controls product lines are built to meet rigorous quality standards and carry a two-year warranty. Distech Controls is an ISO 9001 registered company.

Receivers Range

Infrared technology



RIR-L White infrared receiver and Lux level sensor

RIR-B White infrared receiver



RIR-I Transparent infrared receiver

Radio technology



RFR-D 4 channel radio receiver

RFR-K 1 channel radio receiver

EnOcean technology



RFR-D-EnOcean 4 channel EnOcean radio receiver

RFR-K-EnOcean 1 channel EnOcean radio receiver

Complementary Products

For infrared receivers

Dalilon® infrared remote controls range, for Dalilon® and Karno® controllers.



TCND-I White infrared multi-discipline remote control: lighting, sunblind, temperature and fan speed control

TCND-IT-PM White infrared multi-discipline remote control with wall-mounted support: lighting, sunblind, temperature and fan speed control + temperature sensor



TCND-I-TEST Bicolor infrared remote control: lighting and sunblind outputs testing

TCND-I-PR Bicolor infrared remote control: programming tool



TCIR-C-PM Infrared remote control with wall-mounted support (fixed remote control): HVAC control



TCIR-S Infrared remote control: sunblind control



TCIR-L Infrared remote control: lighting control

TCIR-L-PM Infrared remote control with wall-mounted support (fixed remote control): lighting control

For radio and EnOcean receivers

Dalilon® radio remote controls, room sensors and switches ranges, for Dalilon® and Karno® controllers.



TCND-R White radio multi-discipline remote control: lighting, sunblind, temperature and fan speed control

TCND-RT-PM White radio multi-discipline remote control with wall-mounted support: lighting, sunblind, temperature and fan speed control + temperature sensor



TCND-R-TEST Bicolor radio remote control: lighting and sunblind outputs testing

TCND-R-FAC Bicolor radio remote control: service tool



RS-RF2 Radio room sensor device: temperature measure (integrated NTC sensor) and setting

RS-RF3 Radio room sensor device : temperature measure (integrated NTC sensor) and temperature set-point + occupancy mode selection

RS-RF4 Radio room sensor device: temperature measure (integrated NTC sensor) and temperature set-point + occupancy mode selection + fan speed control

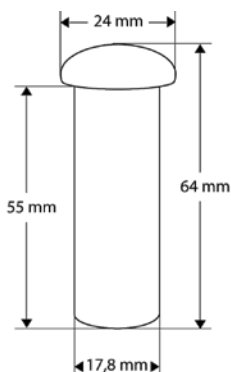


TCND-ENOCEAN White EnOcean multi-discipline remote control with wall-mounted support: lighting, sunblind, temperature and fan speed control + temperature sensor

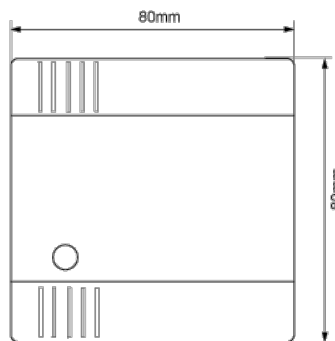


INT-ENOCEAN EnOcean switch (double rocker switch)

Product Specifications



RIR-x



RFR-x

Thickness 25mm

Physical specifications

Material

RIR	PMMA
RFR	Polycarbonate, UL94V0 classification
Mechanical protection	IP 20

Color

RIR-L, RIR-B and RFR	White
RIR-I	Translucent

Dimensions

RIR	Body Ø17.8 x 64mm and half-sphere Ø24 x 9mm
RFR	80 x 80 x 25mm

Shipping box sizes

RIR	180 x 82 x 44 mm
RFR	118 x 100 x 44 mm

Shipping weights

RIR-L	0.17Kg
RIR-B and RIR-I	0.16Kg
RFR	0.09Kg

Electrical specifications

Power supply	5 V, 5mA (RIR-x) or 5V, 25mA (RFR), Supplied by a Dalilon® or Karno® controller or network interface
Connection	Directly connected to a controller by a digital RJ9 link (50m max)

Communication

RIR	Infrared
RFR	ISM Band 868Mhz

Sight range (direct sight)

RFR	Around 15m (through walls / floors without metal)
RIR-I and RIR-B	7m (with a TCND-I) / 6m (with a TCIR)
RIR-L	7m (with a TCND-I)

Environment

Operating temperature	+5°C to +45°C
Storage temperature	-20°C to +70°C
Humidity	+20% to +90% without condensing

Specifications subject to change without notice.

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RIR and RFR Series

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