



## INTERFACE Receiver 4-20 mA

Radio receiver (868 MHz) for output of the level value as analog signal (4-20 mA)



### Your benefits

- Fast wireless integration of level values into plant control systems, e.g. at an LPG filling station (oil, water and other on request)
- Output of the received measurement value as analog signal from 4-20 mA
- Plus relay output for switching an action at definable level value or alarm
- Radio range up to 500 m (free field)
- Battery and signal monitoring of the radio transmitter



### Easy and fast commissioning

The INTERFACE Receiver serves as a link between level measurement at the tank and industrial control. This receiver can be used, for example, to easily record the level of a stand-alone liquid gas tank and integrate it into the control system of a filling station.

The device receives the coded signal (868 MHz) from an RCT Radio Transmitter type LEVELview.BASIC within a radius of up to 500 m (free field). It has to be connected to a 230V socket by means of a power cable. As soon as the assigned transmitter is activated on the tank, the current fill level is received and output as an analog signal.

In parallel, a relay can be switched at a certain level value or an alarm situation.

### Securely connect and monitor

A stable radio connection between the transmitter and receiver is essential for trouble-free operation. The selection of the installation location must ensure reliable reception of the radio signal on a permanent basis. The radio signal can be impaired by various structural conditions (e.g. reinforced concrete walls). A suitable 230V socket must be available near the installation place.

When delivered as a set, the receiver is programmed to automatically receive the signal from the included radio transmitter. The INTERFACE Receiver can be used in parallel with other Radio Receivers, e.g. LCD DISPLAY Receiver or RCT Data logger.

Four LED lights indicate the operating status of the connections, periodic signal reception as well as low battery charge of the assigned transmitter.





## Technical Specifications

### RADIO RECEIVER

#### Application

- Receive and convert measured level values into an analog signal of 4-20 mA for integration into control systems
- Control of a relay depending on level value/battery status/signal reception
- Parallel use with other Radio Receivers and Data logger possible

#### Data reception

- Coded radio signal 868.45 MHz
- Automatic detection and reception of the radio signal of an RCT Radio Transmitter Type LEVELview.BASIC

#### Analog output

- Current output 4-20 mA e.g.  
00 % tank level  $\approx$  4 mA  
> 85 % tank level  $\approx$  20 mA

#### Relay output

- Potential free changeover contact
- Programming via rotary code switch (level in 10% steps/battery/signal)

#### Radio range

Up to 500 m (free field)

#### Frequency

868.45 MHz

#### Antenna

External receiving antenna (suitable for outdoor installation)

#### Operating temperature

0 ... +40°C

#### Power supply

Power adapter 230 V/50 Hz~/12 V DC/250 mA

#### Protection type

Indoor use only

#### Housing

Plastic housing

#### Mounting

Plastic wall mount (easy mounting with two screws)



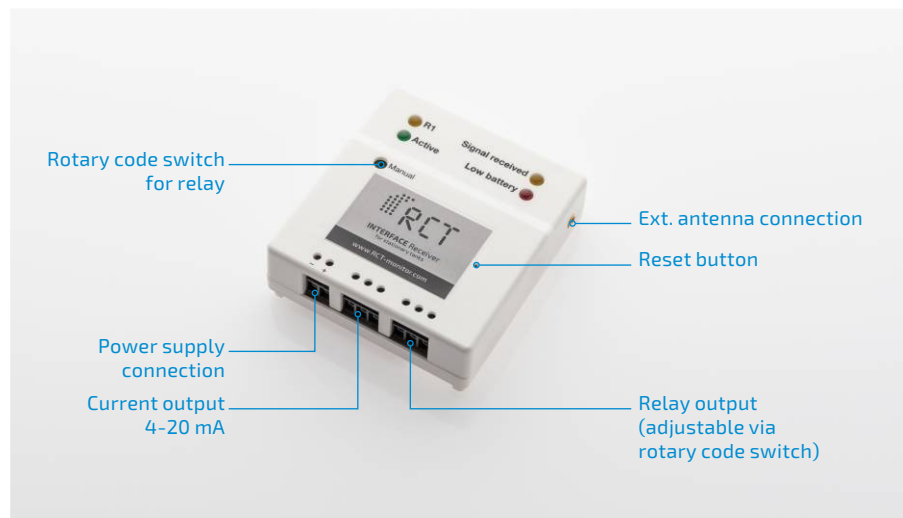
## INTERFACE Receiver

### ITEM INFORMATIONEN

RCT Item No.	1000373
Name	INTERFACE Receiver
Included	<ul style="list-style-type: none"> <li>• RF-Receiver Interface</li> <li>• External receiving antenna</li> <li>• Power supply</li> <li>• Wall mount</li> <li>• Instruction manual</li> </ul>

### Setting rotary code switch for relay

0	= Relay OFF
1	≤ 10% tank level = Relay ON
2	≤ 20% tank level = Relay ON
3	≤ 30% tank level = Relay ON
4	≤ 40% tank level = Relay ON
5	≤ 50% tank level = Relay ON
6	≤ 60% tank level = Relay ON
7	≤ 70% tank level = Relay ON
8	≤ 80% tank level = Relay ON
9	≤ 90% tank level = Relay ON
A	= Battery OK = Relay ON
B	= Battery LOW = Relay ON
C	= Battery LOW = Relay ON - Impulses (1x)
D	= Signal OK = Relay ON
E	= Signal missing = Relay ON
F	= Signal missing = Relay ON - Impulses (1x)



Produced according to  
DIN ISO 9001:2015



CE Conformity  
Quality Made in Germany

