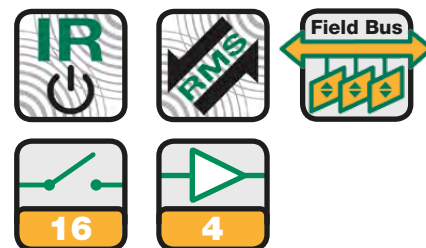


# Radio Receiver TFE-56

## Standard housing



**The standard radio receiver TFE-56 is equipped with all necessary interfaces to meet the most of customer requirements.**

The radio receiver TFE-56 distinguishes itself by its extraordinarily compact construction and offers the necessary components to meet the criteria of the category 3 PL d according to EN ISO 13849-1:2006 (two separated emergency stop circuits).

Moreover, this receiver can be operated together with a field bus coupling and/or a feedback function.

The execution in a robust aluminum housing is perfectly suited for industrial applications and guarantees a long and maintenancefree service life with variable and userfriendly connection features.

## Compatible with

### Radio Transmitter THS-51

Our keyboard transmitter THS-51 featuring a compact set of functions is the preferred option in combination with our standard receiver TFE-56.



### Radio Transmitter TMS-56

Usually, the radio transmitter TMS-56 – for example with 3 drive functions (digital and proportional) and start/horn as well as with up to 6 additional functions optionally – will be used together with the standard receiver TFE-56.



## Technical data

Type	TFE-56	
Output relay	16 (3 A / 250 VAC)	
Proportional outputs (opt.)	yes (no feedback mode) 0...5 V, 0...10 V, 0 ± 5 V, 0 ± 10 V	
Field bus (optional)	Profibus-DP, CAN (CANopen®)	
Other features	customized RS485 protocol	
Supply voltage	48 VAC, 110 VAC, 230 VAC, 50/60 Hz, 12 to 24 VDC	
Power consumption	≤ 20 VA (according to the configuration level)	
Infrared release (optional)	yes	
Feedback mode (optional)	yes	
Frequency range	433.075 to 434.750 MHz 869.725 to 869.975 MHz	2,4 GHz
RF sensitivity	-112 dBm to BER ≤ 10 <sup>-7</sup>	
Operational temperaturer	-20 to +60 °C	
Protection class	IP65	
Dimensions	170 x 280 x 90 mm <sup>3</sup>	
Weight	max. 3.6 kg	



- LED indication for receiver status
- Variable configuration of the connection area (cable, connector)
- Internal diagnosis interface for the service
- Optional Windows based diagnosis software for parameter adjustment and inspection

## Optional extensions

An **integrated feedback signal transmitter** to transmit process data

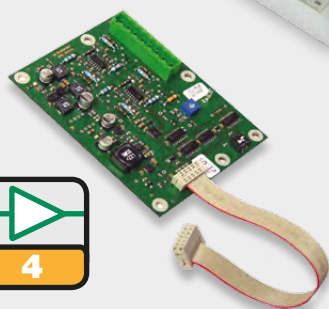


**4 x analog output**



**Infrared receiver as part of the feature infrared release.**

It is possible to operate one or two receivers being located in the room accordingly.



Infrared transmitter to be released by one or two IR receivers



Integrated feedback receiver to receive process data



Number of switch channels



Number of analog output for different voltage ranges



Receiving and output of process data (at the transmitter and the receiver) via field bus coupling (Profibus, CAN, RS485)