

## TRC600 Radio module and repeater

For all meter types with pulse output

- Radio module with two or four pulse inputs
- 868 MHz frequency with 25 mW transmitting power and duty cycle
- Bi-directional FHSS technology for optimal radio transmission
- Programmable datalogger (up to 2,100 values)
- Battery lifetime up to 15 years
- Repeater function to extend operating distance



### Technical Data

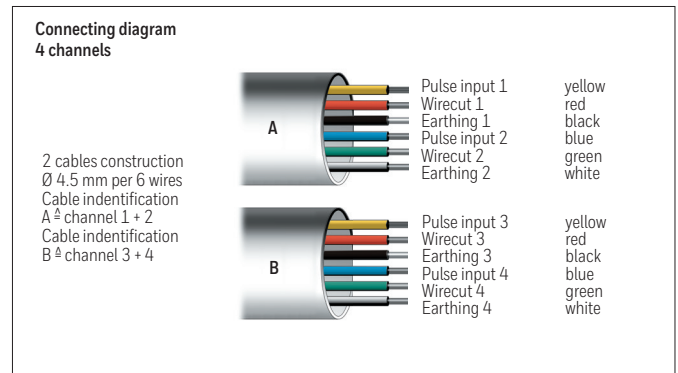
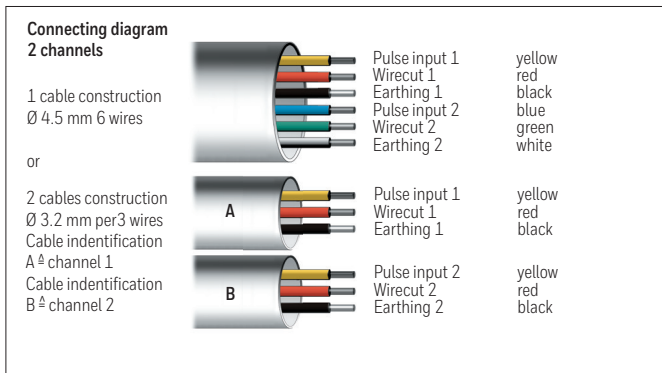
Protocol	Wavenis
Frequency technology	FHSS (15 radio channels) (Frequency Hopping Spread Spectrum)
Frequency	868 MHz, ISM-Band 433 MHz on request
Mode of transmission	Bi-directional
Connecting velocity	up to 9.6 kbits/s
Power of emission	8 dBi
Reference standard	CE (EN300-683)
Certification	ART (EN300-220-1)
Conformity	RTTE 99/5/EC
Pulse input	Reed or open-collector, volt-free
Pulse frequency	max. 4 Hz
Cable length	1 m, max. length 4 m
Mounting	
– wall	2 screws, Ø 4 mm
– pipe	cable tie
Protection class	IP68
Temperature range	-20 °C up to +65 °C
Battery lifetime	up to 15 years (1 reporting/month) up to 10 years (1 reporting/day)

### Programming/Protocol content

Minimum	Meter index
	Pulse rate
optional	
Data logger	24 data with 1 channel
	12 data with 2-4 channels
	Supports extended data logger with 2,100 values
	Intervals:
	– monthly
	– weekly
	– daily
	– free intervall (1 min - 31 h)
Alarm message	Battery
	Tamper
	Burst
	Backflow
Time management	Day/Night on/off
	Weekend on/off

		TRC600 TRC601	TRC603
Transmission power	mW	25	500
Operating distance (depending on local circumstances)	m	up to 600	up to 4,000
Dimensions (HxWxD)	mm	100 x 47 x 37	110 x 53 x 40
Weight	g	150	200

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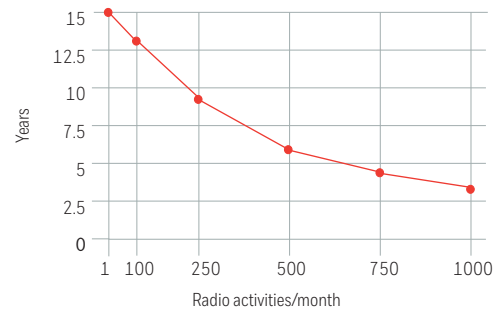
## Repeater functionality

A TRC600 radio module can be used at any time also as an additionally repeater.

Max. 3 repeaters in row can be used. It is recommended that not more than 10 meters are connected to one repeater path.

The special repeater TRC603 has an automatic multi mode achievement recognition (25 mW/500 mW; 500 mW/500 mW; 500 mW/25 mW). Thus different combinations are in radio transfer line possible. The repeaters do not have a cable connexion.

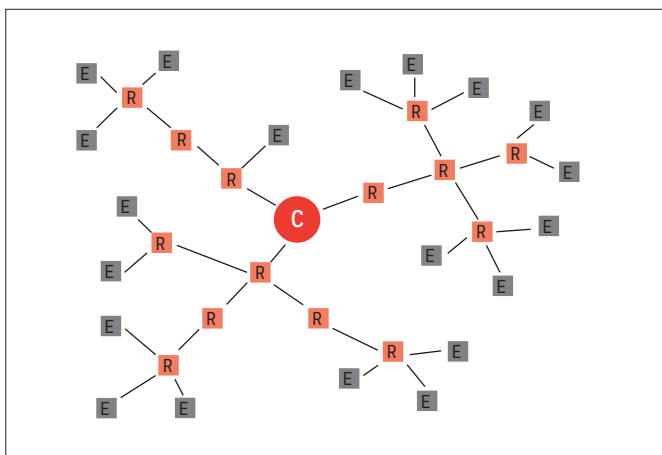
## Battery lifetime repeater



The Wavenis radio system is already implemented in some available reading software systems. If those should not be used by you, we gladly can give you the necessary information to free disposal. Wavenis is compatible to, e.g.

- Bittner+Krull
- Derago
- Reiseswitz

## Network plan



- E: Endpoint (TRC600 with meter)
- R: Repeater (TRC601 or TRC603)
- C: Center point (Receiver: Handheld, antenna)

For further information visit:

[www.elstermetering.com](http://www.elstermetering.com)

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