

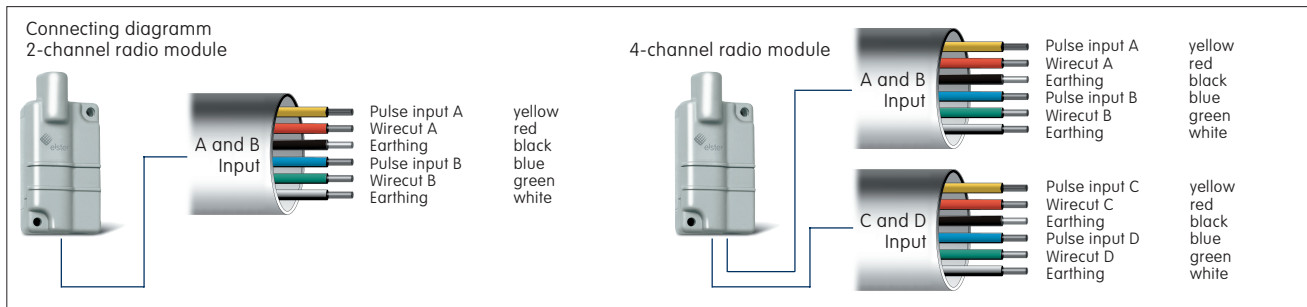
# TRC600

## EMERIS 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
- Battery lifetime up to 15 years
- Repeater function to extend operating distance



Radio module		Ordering number
TRC600	2-channel	0743682
TRC600	4-channel	0743704
Repeater		
TRC601	Standard	0774618
TRC603	Special repeater 500mW	0743763
Protocoll	Wavensis	
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, pot.-free	
Pulse frequency	max. 4 Hz	
Cable length	1 m, capable of being adapted to max. 4 m	
Mounting	wall pipe	2 screws, Ø 4 mm cable tie
Protection class	IP68	
Temperature range	-20 °C up to +70 °C	
Battery lifetime	up to 15 years (1 reporting/week) up to 10 years (1 reporting/day)	
Programming/Protocoll content		
Minimum	Meter count Pulse rate	
optional		
Data logger	24 data with 1 channel 12 data with 2-4 channels, each channel programmable – 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

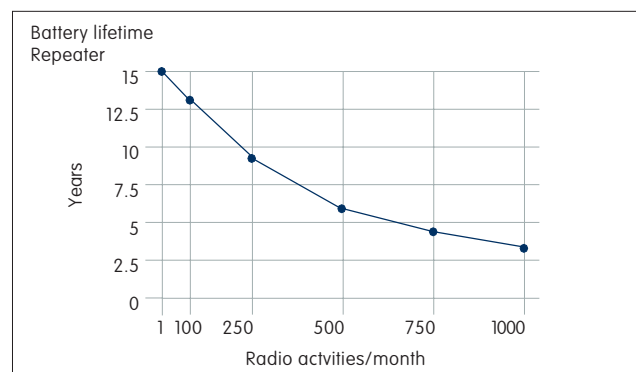
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 Changes without notice



### Repeaterfunctionality

A TRC600 radio module can be used at any time also as an additionally repeater. The employment of separate repeater is however recommendable, since the amassment of actions decreases the battery life of the radio module additionally. Max. 3 repeater can be used between end point and receiver. The number of end points is arbitrary. Normally not more than 10-10 end points should be used due to the numbers of data.

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.



The EMERIS 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. EMERIS is compatible to, e.g.

- Bittner+Krull
- Derago
- Reisewitz

### Network plan

