

T Series

Technical sheet



Compact size, large capabilities

Technology and design. The T Series is designed for maximum ease of use. Frequency even 2.4 GHz. Robust and ergonomic. IP 65 Casing Protection Grade. 1200 hours' work with no recharge. REMsys® Code.

Technical features

Multi-band operating frequency (according to model):

- 433,050 – 434,790 MHz / No. of channels 60 - 869,700 – 870,000 MHz / No. of channels 12
- 902 – 928 MHz / No. of channels 51
- 418,950 – 419,200 MHz / No. of channels 11
- 2400 – 2483.5 MHz / No. of channels 35
- Hamming code > 4
- Maximum number of simultaneous commands (according to model): 8
- Command response time: 50 ms
- Active emergency/stop response time: 50 ms
- Passive emergency response time: 1 s
- Range: about 100 m
- Operating and storage temperature: -20°C/+70°C
- STOP function PL D cat. 3 (EN ISO 13849-1)

Transmitter units

- Modulation: GFSK Manchester encoding
- Emitting power: from 1 to 10 mW
- Oscillator: PLL digital synthesizer
- Antenna: built in
- Power Supply: 3.6 Vdc
- Current demand: from 13.5 mA to 24 mA
- Built-in lithium battery: 3.6V
- Operating autonomy: up to 1200 hours (20°C), over 2000 hours (2.4 GHz models)
- Battery low warning time: 30 hrs
- Casing protection grade: IP 65
- Material: PA6 FG
- Dimensions (LxHxD): 83X174X42 mm
- Weight: 350 g

Receiver units

- Single Chip radio frequency receiver
- Antenna (according to model): built-in or external
- Command relay contact capacity: 4A (DC1/AC1) / 115V
- Stop relay contact capacity: 4A (DC1/AC1) / 115V
- RUBYBOX-T7 and RXDIN-T7
- No. of on/off contacts: 15 + START + STOP + CLAX + LAMP + ABIL
- ECOBX-T7
- No. of on/off contacts: ≤ 7 + START + STOP + CLAX
- Power supply (depending on model):
DC 12-24V ±25% or AC 24-115V ±10%
Optional only RUBYBOX-T7: AC 230V ±10% 50-60 Hz
- Waterproof Casing for Outdoor use: Nylon PA6 FG, Protection Grade IP65
RUBYBOX-T7 166X279X91 mm (LxHxD)
ECOBX-T7 129X178X51 mm (LxHxD)
- MODULBOX container for installation on DIN Bar EN 50022 track - IP20
RXDIN-T7 158x75x90 mm (LxHxD)

Available receiver units:

RXDIN-T7, RUBYBOX-T7, ECOBOX-T7



Monitor tester

Self-powered display instrument to connect to the receiver, capable of acquiring the operating data of the radio control.

VIEWABLE INFORMATION:

- Working frequency and operating channel
- Signal and interference level
- Number of starts and working hours
- Number of Up and Down commands
- Relay operating diagnostics
- Active controls



Reference legislation

Safety	EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013
Health	EN 62479:2010
EMC	EN 61000-6-2:2005 EN 61000-6-3:2007 + A1:2011
Radio	ETSI EN 300 220-1 V3.1.1 Final Draft ETSI EN 300 220-2 V3.1.1 Final Draft ETSI EN 301 489-1 V2.1.1 ETSI EN 301 489-3 V2.1.0 Draft

FCC	Rule Parts 15C
IC	RSS-247 Issue 1 RSS-GEN Issue 4
China	Radio Transmission Approval Certificate
Russia	EAC-GOST Certificate
Machinery (as applicable)	EN 60204-32:2008 EN 13557:2003 + A2:2008 UNI EN ISO 13849-1:2016

Directives

- Radio Equipment Directive (RED) 2014/53/EU
- Machinery Directive 2006/42/CE (as applicable)



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