

MOVE Series

Technical sheet



Innovation and revolution

REMdevice uses the multifunction MOVE platform. The maximum configurability according to customer's specifications with BRICK, PAIL and GENESIS transmitters.

Technical features

- Control Commands: on/off – CANbus – PWM – voltage/current – RS 422/485
- Parameters common to both transmission and receiver units:
 - Full-Duplex multi-band operating frequency, 72 channels – ISM band
 - Hamming code distance > 4
 - Response time to commands: from 20 ms to 80 ms according to configuration
 - Active emergency stop command response time: 20 ms
 - Command passive emergency response time: 1 s
 - The stop command is rated PL-E cat. 4 (ISO 13849-1) and SIL 3 (EN62061)
 - The joysticks (UMFS) are rated PL-D cat. 3 and SIL 2
 - Range: about 100 m
 - Operating and storage temperature: -20°C / +70°C
 - Operating frequency:
 - Dual-band 433/869 MHz with continuous sequential scanning, 72 channels
 - 915 MHz version for the American and Canadian markets
 - 418 MHz version for the Chinese market
 - Connectivity CANopen (with over 50 base objects) for automotive applications
 - Connectivity RS422 and RS485 for PLC and automation
 - All types of outputs: digital (on/off) – voltage (radiometric, danfoss, etc.) – PWM power current – current 4-20 mA
 - Type of inputs: digital (on/off)
 - analogue in tension (0-10V)
 - analogue in current (4-20mA)

Transmitter units

- Modulation: GFSK Manchester encoding
- Radiofrequency emitting power: 1÷10 mW
- Oscillator: PLL digital synthesizer
- Antenna: dedicated multi-band
- Power Supply: 3.6 Vdc
- Current demand: max. 50 mA
- Accumulators: built in 3X1.2V = up to 40 hours' autonomy
- Battery low warning time: 30 minutes
- Casing protection grade: IP 65 PA6 FG Nylon PA6
- Dimensions (LxHxD) GENESIS 310X163X193 mm – PAIL 200x130x135 mm – BRICK 97x44x210 mm – T3, T5, T7 83X42X174 mm
- Weight (variable according to configuration): GENESIS 1580 g – PAIL 930 g – BRICK 470 g – T3, T5, T7 350 g

Options

- LCD 1.3" display
- 1.6" and 3.2" graphic display
- Control cable (radio exclusion)
- External antenna

Q MOBILE series - Technical sheet

REMdevice

Next Generation Control

Transmitter units

Dimensions (LxHxD):

T3, T5, T7: 83X42X174 mm

BRICK: 97x44x210 mm

PAIL: 200x130x135 mm

GENESIS: 310X163X193 mm



Connectivity

- Connectivity CANopen (with over 50 base objects)
- Connectivity RS422 and RS485
- Digital outputs (on/off)
- Current proportional outputs (PWM)
- Digital inputs (on/off)

Options

- LCD 1.3" display
- 1.6" and 3.2" graphic display
- External antenna
- Control cable (radio exclusion)

Wireless Charging System

REMdevice transmitters (T Series excluded) are equipped with the exclusive **Patented** wireless induction charging system.



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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