

Q MOBILE Series

Technical sheet



Moving technology

REMdevice uses the multifunction Q platform. The maximum configurability according to customer's specifications with T, BRICK, PAIL and GENESIS transmitters, in automotive applications. REMsys® Code.

Available versions:

▪ **MOBILE QS – MOBILE QO:** Waterproof Casing for Outdoor use
Material: PA6 FG, PBT FG and PPA FG - Protection Grade: IP65
Dimensions: 189 X 60 X 184 mm (LxHxD)

▪ **ECOBOX QJ:** Waterproof Casing for Outdoor use
Material: PA6 FG V0 - Protection Grade: IP65
Dimensions: 129 X 178 X 51 mm (LxHxD)

Technical features

- Control Commands: on/off - CANbus - PWM - RS 422/485
- Multi-band operating frequency:
434.040 – 434.790MHz / No. 30 channels
902 – 928 MHz / No. 50 channels
- 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
- Built in antenna
- Output capacity 3A
- Electronic protection on power outputs
- Wiring with multipolar plug or cable gland (according to model)
- Range: 80-100 m
- Operating and storage temperature: -20°C / +70°C
- Casing Protection Grade: IP 65

Version technical features

- **MOBILE QS** = safety receiver PL e, with 8 PWM proportional controls (8 forward + 8 backward) + 12 ON/OFF + TIMED STOP + CLAX + 4 auxiliary inputs, one of which dedicated to slowing down for the possible presence of the basket (lifting persons)
- **MOBILE QO** = receiver with ON/OFF controls for applications where no lifting functions are required
- **ECOBOX QJ** = CAN J1939 receiver to control and configure the proportional solenoid valves using this protocol

All Q Series radio controls are equipped with Patented REMsys Code that consists in easy pairing transmitters and receivers without the need to open them.

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 EN 60204-32:2008
(as applicable) 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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