



## UTC + URC

### Technical sheet



## Command Transfer: UTC +URC

The UTC (Commands Transmission Unit) and the URC (Command Reception Unit) modules can be used for the radio transfer of the ON-OFF commands and are capable of up to 20 simultaneous and individual commands.

LED indicators give an instant reading of the functioning of the radio remote control. There are two frequency bands available: 434 MHz and 870 MHz.

## Technical characteristics

- Frequency: 433 MHz / 59 channels  
870 MHz / 11 channels
- Commands: on/off
- Hamming Code > 4
- Max n° of simultaneous on/off commands: 20 + start + stop
- Command response time: 45 ms
- Start/Active emergency response time: 45 ms
- Passive emergency response time: 1 s
- Performance Level of safety function according to EN ISO 13849-1:2006
- Stop protection: Category 3 PL d
- Protection against unintended movements from the standstill position: Category 2 PL c
- Range of control: approx. 100 mt (-330ft)
- Working and storage temperature: -20°C to +70°C (-4°F to +158°F)

### Transmitter unit

- Modulation: GFSK
- Radio frequency output power: from 1 to 10 mW
- Oscillator: digital synthesizing PLL
- Antenna: **external**
- Power supply: 12-24 Vdc / 24-115 Vac
- Modulbox casing for mounting on DIN EN 50022
- Degree of protection: IP20
- Dimensions: 158 x 75 x 90 (LxHxP)

### Receiver unit

- Radio frequency Receiver: Single Chip
- Antenna: **external**
- Power of command relay contacts: 4A (DC1/AC1)\* / 115V
- Power of relay contacts: 4A (DC1/AC1)\* / 115V

\* connecting a diode in parallel with the load, the same current is allowed for category DC13 (inductive load). To comply with category AC15 is recommended to place in parallel connection with the load an appropriate overvoltage damping RC circuit. (Ref. IEC/EN60947)

- Power supply: 12-24 Vdc / 24-115 Vac
- Modulbox casing for mounting on DIN EN 50022
- Degree of protection: IP20
- Dimensions: 158 x 75 x 90 (LxHxP)

# UTC + URC



## 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 standards

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

### Reference rules

Russia	EAC-GOST Certificate
Machinery	EN 60204-32:2008 (as applicable) EN 13557:2003 + A2:2008 UNI EN ISO 13849-1:2016

### Reference directives

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



**REMdevice Srl**  
via Alfredo Munari, 72 - 36055 - Nove (VI) ITALY  
tel +39 0424 500 262 - fax +39 0424 508 631 - info@remdevice.com  
[www.remdevice.com](http://www.remdevice.com)

