

A^{RF18}

1 to 8 keys 1-way and 2-ways radio remote control



The ARF18 low cost remote controls enable wireless control of **1 to 24 digital states (by simultaneously pressing 2 keys or switch)** over a distance of **300m**.

They are available in **one-way or two-ways versions** on respectively 433.92 or 869.52MHz and are **approved according to the European directive RTTE EN 300-220/EN 301-489**.

Security of transmission is ensured by means of a proprietary rotating code and a unique serial number.

They are associated with a complete range of **RS232 or USB serial decoder & serial link, 4 relays or 4 binary outputs receivers**.

In the **two-ways version**, the return acknowledgement of the sent command validates the correct transmission of the order and thus provides a maximum level of security for applications involving access control, alarms...

More generally, these products cover applications ranging from **simple domestic remote control to autonomous control of tertiary or industrial equipment**, in sectors of activity such as home automation, systems automation, industrial automation...

Specifications

Remote control

- Frequency
- Radiated RF power
- Temperature range
- Modulation
- Number of keys

1-way version

433.92MHz
1mW
-30/+70°C
ASK
1 to 8

2-ways version

869.52MHz
6mW
-20/+70°C
FSK
1 to 4

OEM receiver - asynchronous link

- Power supply (Vcc)
- Consumption in receipt
- Sensitivity
- Outputs

3.3V nominal
15mA
-104dBm
Serial interface level 0/VCC
4 binary outputs

2.7 to 3.6V nominal
15mA
-104dBm
Serial interface level 0/VCC
4 binary outputs

4 relays receiver

- Power supply
- Consumption
- Switching capacity
- Relays

15 to 30VDC
30mA open relays (130mA closed)
230VAC max 10A
3 NO + 1 NO/NC

Serial decoder

- Serial ports
- Format

RS232 or USB
8 bits, no parity, 1 stop
configuration through AT commands
2.4 to 115.2kBps
8 to 30VDC

- Serial link rate
- Power supply

DemoKit - Integration kit including : demoboard, module, remote control, RS232 cable, power supply

- Evaluate the products
- Perform RF measurements
- Develop a prototype



Part Numbers

	One-way	Two-ways
Remote control	ARF7291X*	ARF7292X**
OEM receiver	ARF7293A	ARF7294A
4 relays receiver - IP65 box	ARF7341B	-
RS232 serial decoder - IP65 box	ARF7263K	-
USB serial decoder - IP65 box	ARF7263S	-
DemoKit	ARF7439S	ARF7439M

* X=index A/B/C/D/R = 1/2/3/4/8 keys

** X=index A/B/C/D = 1/2/3/4 keys

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