



## 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

869.525MHz  
6mW  
-30/+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
- Serial link rate
- Power supply

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

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

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



## Your distributor

### Part Numbers

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

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

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