



## 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-way 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-way 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, robotics ...



### Specifications

#### Remotes control

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

#### 1-way version

- 433.92MHz
- 1mW
- 20 / +70°C
- ASK
- 1 to 8

#### 2-ways version

- 869.525MHz
- 6mW
- 20 / +70°C
- FSK
- 1 to 4

#### OEM receiver - asynchronous link

- Power supply (Vcc)
- Consumption in receipt
- Sensivity
- 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 ou USB
- 8 bits, no parity, 1 stop
- Configuration via AT commands
- 2.4 to 115.2kbps/s
- 8 to 30VDC

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

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

#### Part Numbers

- ARF7291X : One-way remotes control (X=index A/B/C/D/R = 1/2/3/4/8 keys)
- ARF7292X : Two-ways remotes control (X=index A/B/C/D = 1/2/3/4 keys)
- ARF7293A : OEM receiver for one-way remotes control
- ARF7294A : OEM receiver for two-ways remotes control
- ARF7341B : 4 relays receiver for one-way remotes control - IP65 box version
- ARF7263K : RS232 serial decoder for one-way remotes control - IP65 box version
- ARF7263S : USB serial decoder for one-way remotes control - IP65 box version
- ARF7439M : ARF18 DemoKit for two-ways remotes control
- ARF7439S : ARF18 DemoKit for one-way remotes control