

# A RF18

## Universal wireless remote control systems with receivers



The **ARF18** long range remote controls enable wireless control of 1 to 24 digital states over a distance of 300m.

### ARF18

These remote controls are available in one-way or two-way versions (433 or 868MHz) 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 1, 2 or 4 relays receivers, OEM receivers, serial decoder (RS232 or USB).

In the two-way version, the command acknowledgement provides a maximum level of security for applications involving access control, alarms...

More generally, these products cover multiple applications 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...

### Technical specifications

Remote control	One-way version	Two-way version
Frequency	433.92MHz	869.525MHz
Radiated RF power	1mW	6mW
Temperature range	-30/+70°C	-30/+70°C
Modulation	ASK	FSK
Number of keys	1, 2, 4 and 8 keys	1, 2, 3 and 4 keys
<b>OEM receiver - asynchronous link</b>		
Power supply (Vcc)	3.3V nominal	2.7 to 3.6V nominal
Consumption in receipt	15mA	15mA
Sensitivity	-104dBm	-104dBm
Outputs	Serial interface level 0/VCC 4 binary outputs	Serial interface level 0/VCC 4 binary outputs
<b>1, 2 or 4 relays receiver</b>		
Power supply	15 to 30 VDC	
Consumption	30mA open relays (130mA closed)	
Switching capacity	230VAC max 10A	
Relays	* 1 relay: 1NO/NC * 2 relays: 1NO + 1NO/NC * 4 relays: 3NO + 1NO/NC	
<b>Serial decoder</b>		
Serial ports	RS232 or USB	
Format	8 bits, no parity, 1 stop Configuration through AT commands	
Serial link rate	2.4 to 115.2kBps	
Power supply	8 to 30VDC	
<b>Starter-Kits</b>		
Integration kit for:	* 1 demoboard including	* 1 demoboard including
* Evaluate the products	* 1 mother board with	* 1 mother board with
* Perform RF measurements	* 1 soldered OEM RF module	* 1 soldered OEM RF module
* Develop a prototype	* 1 remote control	* 1 remote control
	* 1 whip antenna	* 1 whip antenna
	* 1 RS232 cable	* 1 RS232 cable



### Part numbers

	One-way version	Two-way version
Remote control	ARF7291X*	ARF7292X**
OEM receiver	ARF7293A	ARF7294A
1 relay receiver - IP65 box	ARF7341F	
2 relays receiver - IP65 box	ARF7341D	
4 relays receiver - IP65 box	ARF7341B	
RS232 serial decoder - IP65 box	ARF7263K	
USB serial decoder - IP65 box	ARF7263S	
Starter-Kits	ARF7439S	ARF7439M

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

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