RADIUM
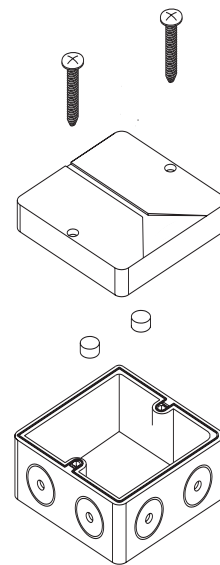
WR4
Wireless Receiver w/ 4 Relays

F1001000071

COMPOSITION

The receiver is composed by :
1 box with electronics
1 cover
2 screws
2 gumm taps
1 antenna wire
2 screws with plugs

## INTRODUCTION

The receiver Radium WR4 is designed for the control of automatic closing systems and anti-burglar systems, thanks to its very high security coding system (KeeLoq ® Hopping code).The code sent by the transmitter changes at every activation, avoiding any scanning and copying risk. A special algorithm allows to keep synchronyzed transmitter and receiver. The receiver has up to 4 output relays (with NO and NO/NC contacts, and can be connected to many types of mechanics (gate, garage door, rolling shutters, awnings, anti-burglar appliances, lighting, etc.). The programming can be done in self-learning mode by means of one button. The housing protection of IP65 allows external installations. The appliance full complies with the European Regulations 2006/95/CE, 2004/108/CE, 99/05/CE and EN 60335-1.

SPECIFICATIONS

Receiver type	Superheterodyne
Carrier frequency	433,92 MHz
Local oscillator frequency	6.6128 MHz
Demodulation	AM/ASK
Local Oscillator	VCO / PLL
Channel width	> 25 KHz
Intermediate frequency	10.7 MHz
Input sensitivity	-115 dBm
Input load:	50 Ohm
Power supply:	12 / 24 Vac/dc
Consumption:	
Steady / 12 Vdc (2 relays excited)	15 mA / 49 mA
Steady / 24 Vdc (2 relays excited)	19 mA / 55 mA
Max applicable power	24VA
Relay number	4
Relay mode	3 x Pulse, 1 x Pulse/Step
Contacts	NO, NO/NC
Memory capacity	85 transmitter buttons
TX security code	KeeLoq ® Hopping code
Cominations	2exp64
Operating temperature	-20°/+70°C
Housing protection	IP65
Weight	gr. 130
Overall dimensions (inch)	3.15 x 3.15 x 1.96

DIMENSIONS

1.96
3.15   3.15

FIXING

18.1

⚠️
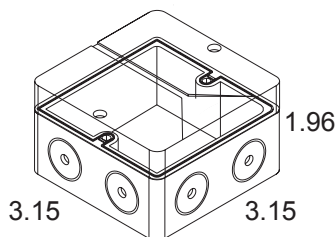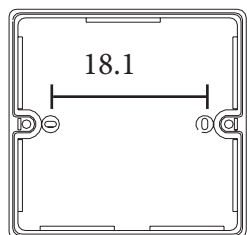
IMPORTANT
Receiver location is crucial for optimal system performance. Place the receiver far from interference sources such as magnetic fields or radio emissions (neon ballasts, electric motors, etc.). Ensure quality signal reception by doing range tests before permanently mounting the receiver.
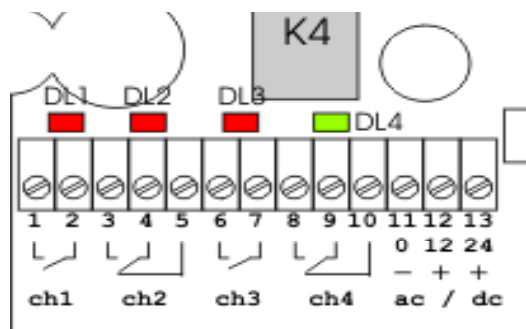
COMPATIBLE REMOTES

R1
1-Button Remote

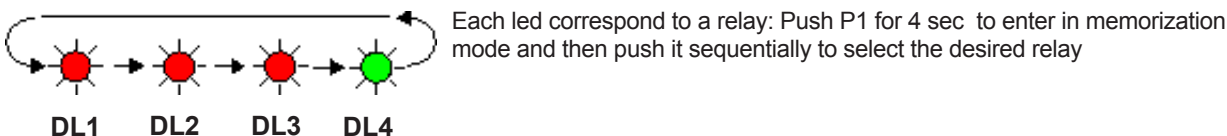**R2**
2-Button Remote

R4
4-Button Remote

CONNECTIONS

K4

DL1 DL2 DL3 DL4

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |

0 12 24
− + +

ch1   ch2   ch3   ch4   ac / dc

LEGENDA

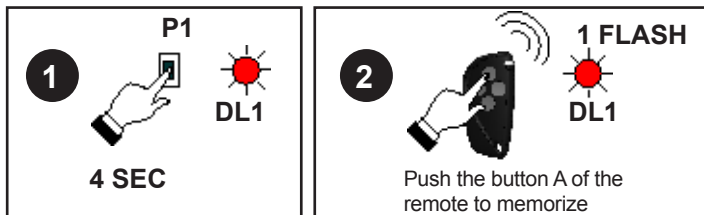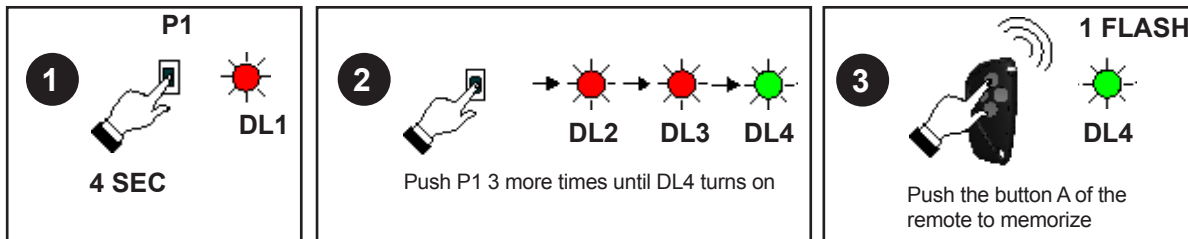|	
terminal 1 =	Contact NO Relay1
terminal 2 =	Contact C Relay1
terminal 3 =	Contact NO Relay2
terminal 4 =	Contact C Relay2
terminal 5 =	Contact NC Relay2
terminal 6 =	Contact NO Relay3
terminal 7 =	Contact C Relay3
terminal 8 =	Contact NO Relay4
terminal 9 =	Contact C Relay4
terminal 10 =	Contact NC Relay4
terminal 11 =	Input supply Common
terminal 12 =	Input supply +12 Vac/dc
terminal 13 =	Input supply +24 Vac/dc
terminal 14 =	Wire Antenna
terminal 15 =	GND Antenna

RELAY K4 CONFIGURATION

**JP1 = CLOSED
K4 STEP**

**JP1 = OPEN
K4 PULSE**

TRANSMITTERS MEMORIZING

DL1   DL2   DL3   DL4

Each led correspond to a relay: Push P1 for 4 sec to enter in memorization mode and then push it sequentially to select the desired relay

EXAMPLE 1 : MEMORIZATION OF BUTTON A ON RELAY 1

1 P1
DL1
4 SEC

2 1 FLASH
DL1
Push the button A of the remote to memorize

EXAMPLE 2 : MEMORIZATION OF BUTTON A ON RELAY 4

1 P1
DL1
4 SEC

2 DL2 DL3 DL4
Push P1 3 more times until DL4 turns on

3 1 FLASH
DL4
Push the button A of the remote to memorize

TRANSMITTERS CANCELLING

1 P1
DL1
4 SEC

2 1 FLASH
DL1
Push the button A of the remote to memorize

FULL MEMORY ERASURE

1 P1
DL1
4 SEC.

2 RELEASE

3 P1   3 FLASHES
DL3   DL4
WITHIN 1 SEC.
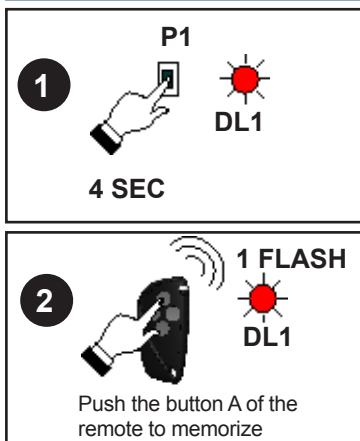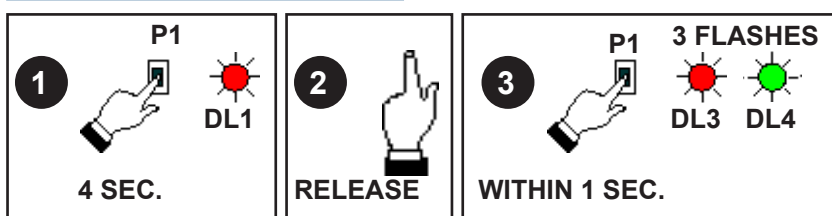
WARRANTY

The warranty period for this product is 60 months, beginning from the manufacturer date. During this period, if the product does not work correctly, due to a defective component, the product will be repaired or substituted at our discretion. The guarantee does not cover the plastic container integrity. After-sale service is supplied at the factory.

*Manufactured by CDVI Wireless
Made in Italy*

CE