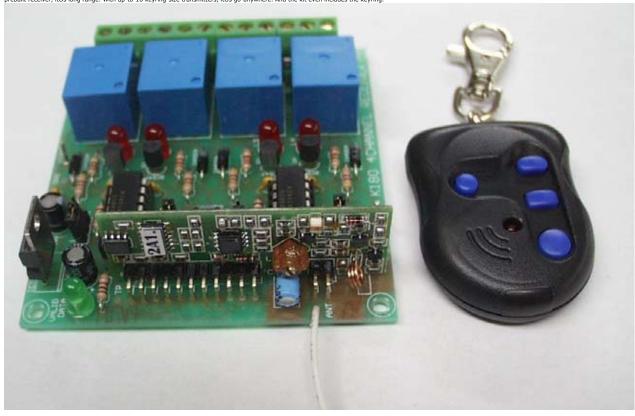
TW-DIY-5180

Rolling Code 4-Channel UHF Remote Control Kit - DIY This is one very clever remote control. With rolling code, it ose-toimpossible to electronically ocracko. With four channels, all either latching or momentary operation, it os extremely versatile. With a sensitive prebuilt receiver, ito's long range. With up-to-16 keyring-size transmitters, ito's go-anywhere. And the kit even includes the keyring!



Parts List :

- 4-Channel Code-Hopping Remote Control
- 1 TX-4312RSA 4-channel keyring rolling code transmitter assembly
- 1 RX3302D A1.5 433MHz rolling code receiver module
- 1 PC board, coded K180, 86 x 78mm
- 4 miniature relays, SPDT, PCB mounting,
- 12V coils (Millionspot H5000xx)
- 1 ultramini pushbutton switch, PC mounting, N-O contacts
- 6 interlocking 2-way terminal blocks, PC mounting
- 2 14-pin DIL IC sockets (optional)
- ${\bf 4}$ 3-way header pin sets, PC mounting Red ${\bf \&}$ black insulated hookup wire for power connection
- 1 200mm length insulated hookup wire for antenna (see text)

Semiconductors

- 2 4013 dual D flipflops (IC1, IC2)
- 4 NPN general purpose transistors (C8050 or similar) (Q1-Q4)
- 1 7805 3-terminal regulator (REG1)
- 4 1A power diodes, 1N4004 or similar (D1-D4)
- 4 red LEDS, 5mm (LED1-LED4)
- 1 green LED, 5mm (LED 5)

Capacitors

- 2 100 F, 16VW PC mounting electrolytics
- 7 0.1 F polyester or ceramic (monolithic 5mm)

Resistors

- 4 10ΜΩ
- 1 1ΜΩ
- 4 4.7kΩ
- 4 2.2kΩ
- 1 1kΩ