Rolling Code 4-Channel UHF Remote Control Kit - DIY This is one very clever remote control. With rolling code, it's close-to-impossible to electronically crack. With four channels, all either latching or momentary operation, it's extremely versatile. With a sensitive prebuilt receiver, it's long range. With up-to-16 keyring-size transmitters, it'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 PCB 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)
  - 4 3-way header pin sets, PC mounting Red & 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 100µF, 16VW PC mounting electrolytics
- 7 0.1µF polyester or ceramic (monolithic 5mm)

Resistors
- 4 10MΩ
- 1 1MΩ
- 4 4.7kΩ
- 4 2.2kΩ
- 1 1kΩ