RF Wireless Remote Control Radio Controller - Detector & Receiver

Package Include:
1 x Receiver: S1DA-AC220-ANT2 (1 Channel / Delay Control Mode)
1 x Wireless Movement Detector: W-01
1 x User manual

Feature:
Wireless control, easy to install
Adjustable delay time: 0 seconds ~ 99 hours
Control Lights, Motors, Fans, electrically operated Doors/ Locks/ Windows/ Blinds/ Cars or Other Appliances.
Universal input: support voltage of AC110V (100V~120V), widely used in US, Canada... and voltage of AC220V (200V~240V), used in UK, France...
You can turn on/off the receiver with transmitter (remote control) from any place within a reliable distance; the wireless signal can pass through walls, floors and doors.
With characteristics of reverse power protection and over current protection
Audible / visual indication
Use microcontroller model of EM78P156, an 8-bit microprocessor designed and developed with low-power and high-speed CMOS technology.
Use ULN2003 to drive relay, with strong anti-interference.
Reliable control: The transmitter (Encoding) and the receiver (Decoding) use an 8-bit code.
One/several transmitters can control one/several receivers simultaneously.
If you use two or more receivers in the same place, you can set them with different codes.
Transmitting Frequency: 315MHz / 433MHz
Working distance of the movement detector and receiver with external extend antenna: 200M / 600ft (theoretically)

Receiver:
Model No.: S1DA-AC220-ANT2
Channel: 1 CH
Control Mode: Delay (Press -> ON; Then OFF after the delay time)
Adjustable delay time: 0 seconds ~ 99 hours
Coding Type: Fixed code
Coding Setting: By soldering
Power Supply (Operating Voltage): AC100~220V
Output: Relay output (dry contact)
Working Voltage Range of Relay: AC110~240V or DC0~28V
PCB size: 93.5mm x 73mm x 27mm
Case size: 100mm x 77mm x 30mm
Maximum Working Current: 10A

External Extend Antenna:
Frequency Range: 300~450MHz
Impedance: 50Ω
Antenna Length: 15cm
Cable Length: 150cm
Weight: 35g
Anti-interference, waterproof, shielded wire set inside
Magnetic stand design for easy to install

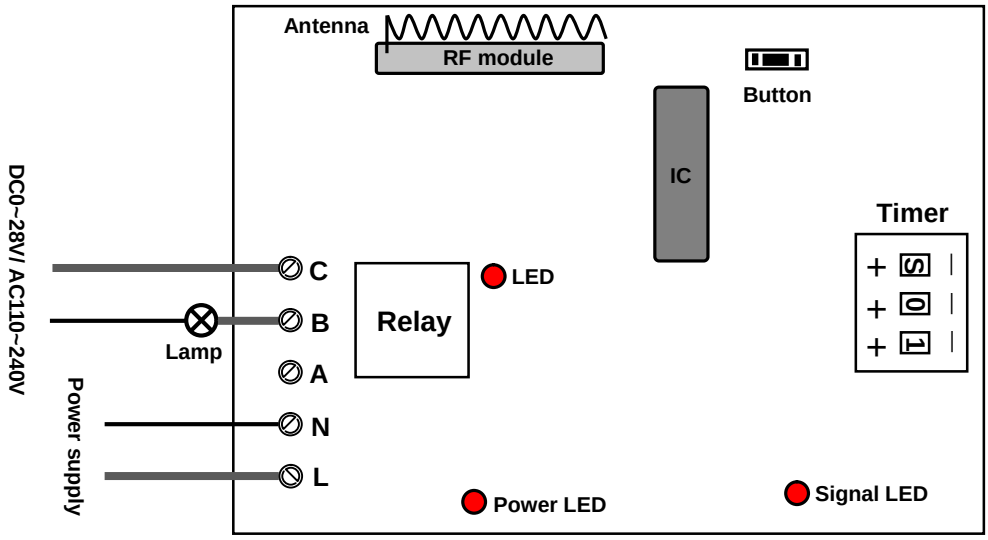
Usage:
Initial state: A, B = Normally Closed; B, C = Normally Open.
When the movement detector is triggered: Turn on relay (connect B and C, disconnect A and B).
After delay time: Turn off relay by itself (disconnect B and C, connect A and B).

Press buttons of "＋" and "－" on the timer, adjust delay time from 0 second to 99 hours. "H" is Hour, "M" is Minute, and "S" is Second.
For example, if you set "S 0 1", it means the delay time is 1 second.

We have learned the movement detector to the receiver. If you don't want the receiver to work with the movement detector, you can delete all codes of the movement detector, which are stored in the receiver.
Operation: Press and hold the button of receiver until signal LED flashes slowly; release the button, LED keeps slow flash. That means all stored codes have been deleted successfully.

Learning the movement detector:
1) Press the button of receiver; signal LED on the receiver keeps shining. The receiver enters into status of LEARNING.
2) Trigger the the movement detector, if signal LED on the receiver flashes quickly 15 times and turns off, it means learning is successful.
3) When receiver is in the status of LEARNING, press again the button of receiver, signal LED turns off, learning process will be discontinued.
4) The receiver can learn several movement detectors with different codes.

Application Circuit



A, B=Normally Closed; B, C=Normally Open.