

Motorised water valve control PCB

LED's

- GREEN** :- ON = power to system is on
- RED** :- ALARM = water leak has been detected
- YELLOW** :- ON = motorised valve is OPEN
- YELLOW** :- FLASHING = motorised valve is operating

Operation

Press the watersafe wall switch to ON to open the motorised valve and the water supply will be ON
 Press the watersafe wall switch to OFF to close the motorised valve to turn the water supply OFF

If a water leak is detected the motorised valve will automatically close and the RED LED will flash
 To re-set, press the watersafe wall switch to OFF (this will stop the alarm but the motorised valve will remain closed). Press the watersafe wall switch to ON once the leak has been stopped and you require the mains water to be turned back ON.

Note. If the power supply is interrupted the yellow LED will not be on until the unit is re-set by pressing OFF then ON, on the wall switch. Test system once per month, or after a power cut.

VALVE motorised water valve
 BLK :- BLACK WIRE ON VALVE
 RED :- RED WIRE ON VALVE
 GRN :- GREEN WIRE ON VALVE

(This output is 5VDC and will only work the supplied motorised valve)

ALARM INPUT

Connect +V and I/P to output of water leak detectors

SWITCH

Connect to ON/OFF switch to turn water on and off. Switch closed = valve open

RELAY OUTPUT

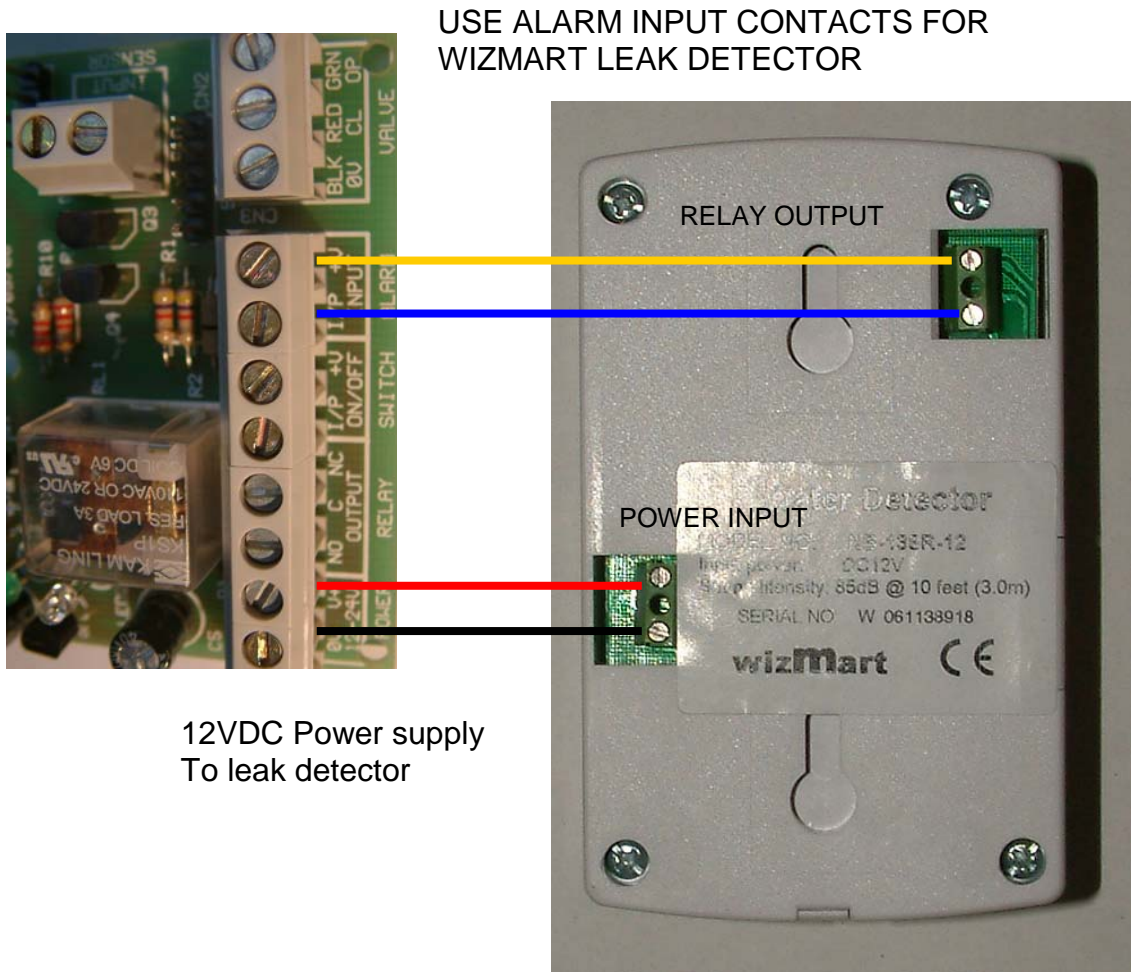
This relay will operate when a alarm signal is received. Contacts rated at 3A 24VDC. Can be used to close other valves or signal an external alarm.

POWER

Power in:- 12VDC 100mA max. can be unregulated or regulated
 Can be connected to a 12VDC house alarm power supply.
 If the AC adaptor 12VDC /300mA is used
 The wire with the white line on is V+
 The black wire is 0V

For use with 24VDC use a 150 ohm 2W resistor in the power line to V+

Motorised water valve, showing wired 12VDC
Wizmart leak detector .



USE ALARM INPUT CONTACTS FOR
WIZMART LEAK DETECTOR

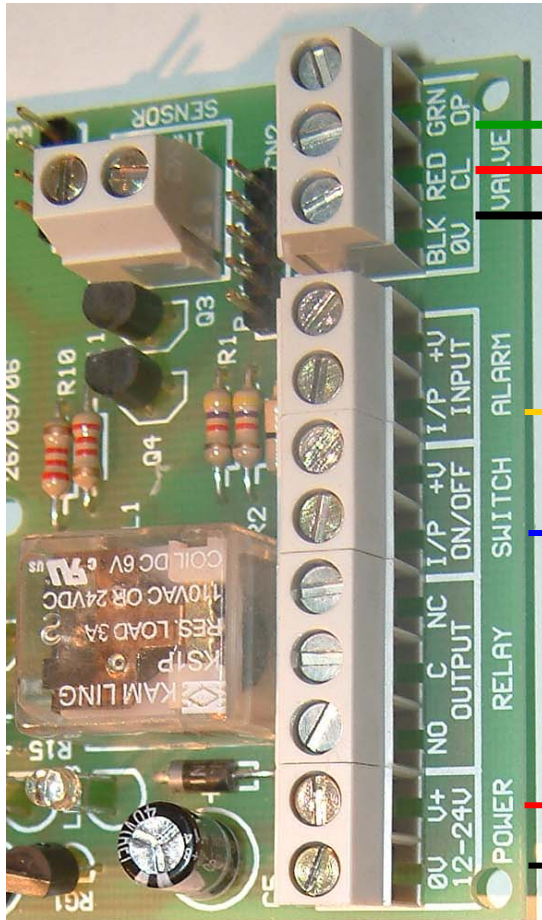
12VDC Power supply
To leak detector

The motorised water valve is DN25 (1") DN20 (3/4") or DN15 (1/2") and can be reduced to the size required. Do not hold or use the blue motor to tighten the valve. Mount the valve so you can easily access the manual operation knob, on the top of the motor.

Manual override knob.
To operate the power to the system must be OFF. Pull knob up until it clicks to engage gears. Turn knob to open or close valve. Look at indication window on top of valve to see position of ball valve.



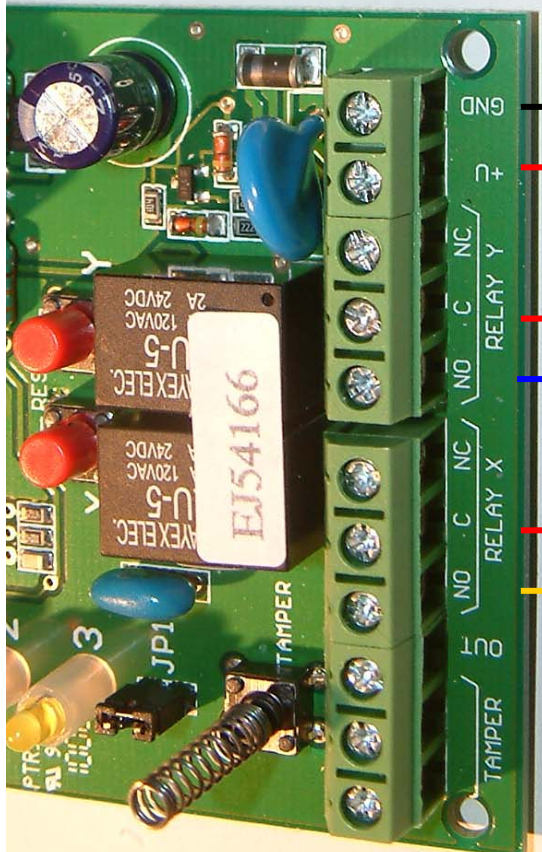
Motorised water valve, wiring diagram
Including UC-216 receiver unit.



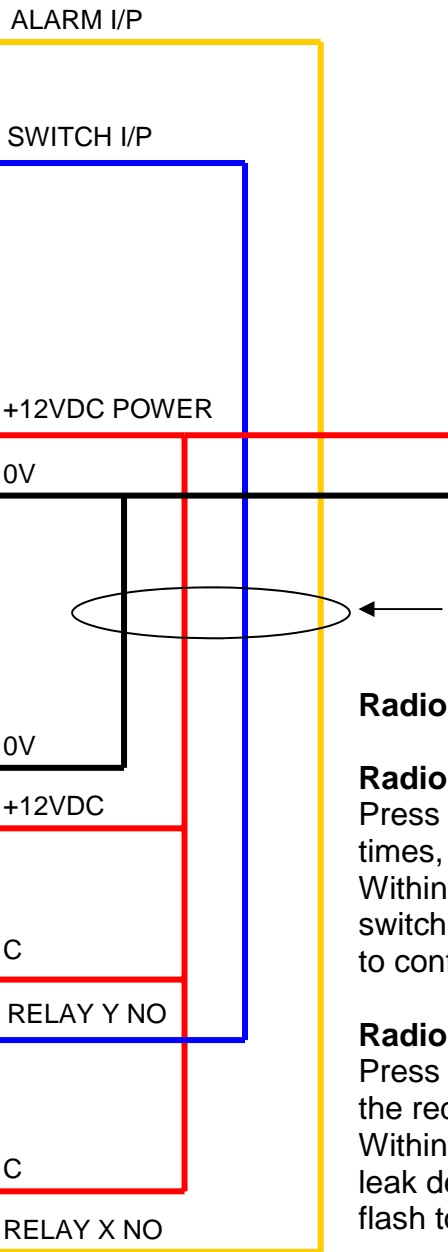
Motorised valve control unit

VALVE motorised water valve
GRN :- GREEN WIRE ON VALVE
RED :- RED WIRE ON VALVE
BLK :- BLACK WIRE ON VALVE

(This output is 5VDC and will only work the supplied motorised valve)



Radio receiver UC216



12VDC power supply
200mA max Red V+
Black 0V

If AC adaptor used
Wire with white line
wire to V+

4 core 0.2mm alarm
Signal cable

Radio unit enrolment

Radio wall switches

Press the button marked 'Y' 3 times, yellow LED will flash. Within 10 seconds press the wall switch once, all 3 LED's will flash to confirm enrolment.

Radio leak detectors

Press the button marked 'X' once, the red LED will flash. Within 10 seconds operate the leak detector, all 3 LED's will flash to confirm enrolment.

20 radio units can be installed per UC-216 receiver

Wiring of RC-60 units to water leak detectors, connect relay output from leak detector to GND and A on the RC-60 transmitter unit.