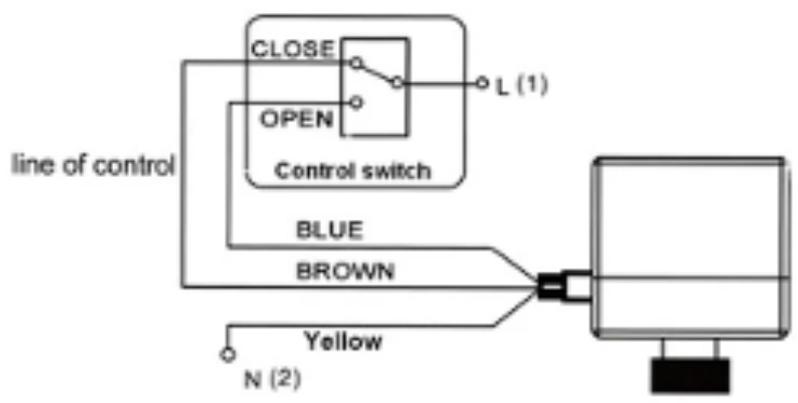
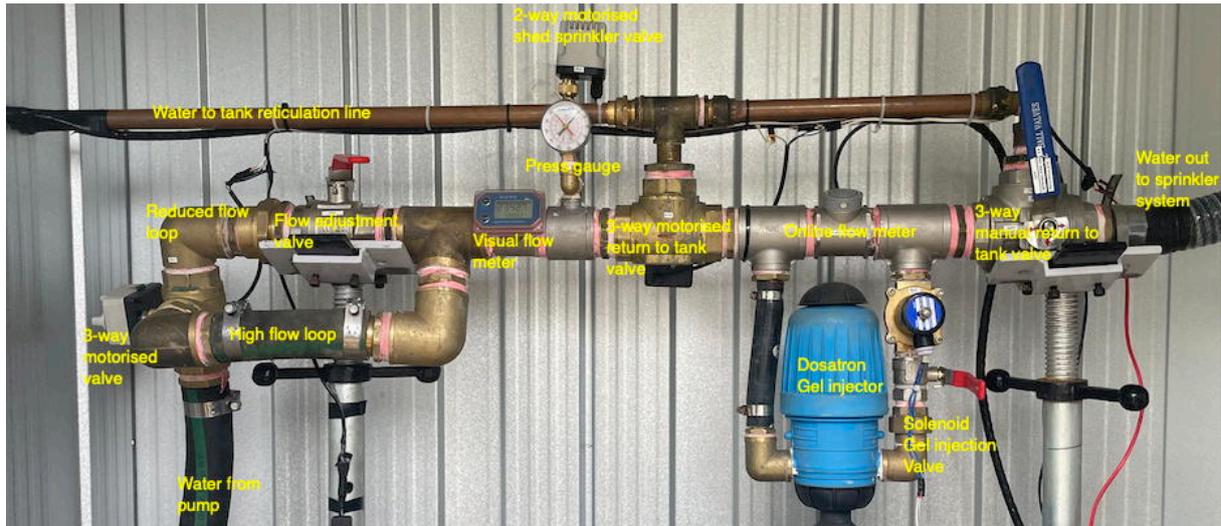


Wiring diagram (Three-wire Two-control)



When the L pick the brown line, A and C are connected, B is blocked
 When the L pick the blue line, A and B are connected, C is blocked

Valves used in the system



For the following valves used in this system the controlling relay is set with input from the Arduino, and output with COM +12V, unless otherwise specified with NC brown wire, NO blue wire. In this arrangement, when the relay is OFF, current flows from 12V battery through the relay COM and NC terminal through the brown wire to the valve and thence to GND. When the relay is triggered ON, current flows as before but through the NO relay terminal via the alternative blue wire to the valve.

Here NC= normally closed. NO= normally open.

RV1 – 3 way valve controls High/Reduced flow with the C branch diverting to High flow. It is normally set A-B for reduced flow with brown wire to NC of corresponding relay (R7) OFF (N/C active).

RV2 – 2 way valve controls shed sprinkler system – normally in A-C position (no flow). This is achieved with **blue wire connected to NC on relay** - ie with corresponding relay (R6) OFF (N/C active).

RV3 – 3 way valve controls intermittent sprinkler cycles with the C branch diverting water flow back to the tank. It is – normally in the A-B position with brown wire to NC of corresponding relay (R5) OFF (N/C active).

RV4 – Normally closed solenoid valve controls gel injection. Red wire from +ve 12V via relay (R4) OFF NC to valve. Valve normally OFF (N/C).

Specifications

Operation Mode: Three Wire Two Ways Control/Three-wire One Control mode/2-wire, (power-off reset mode)

Power: 6W (Only when the valves open and close)

Running Time: 5-15 Seconds

Nominal Pressure: 1.6MPa

Medium Temperature: 2°~95°

Maximum Differential Pressure: 1.0MPa

Connection Mode: G Internal Thread

Torque : 220V 8 N.M, DC12/24V 6 N.M

Waterproof level : IP65

