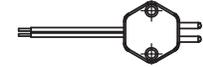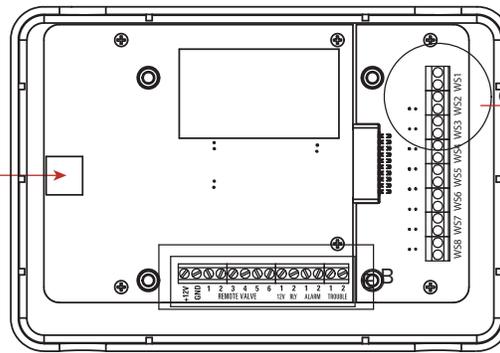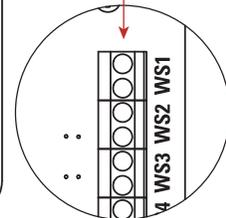# WaterCop PRO

AUTOMATIC WATER SHUT-OFF SYSTEMS

WPC & WPCH Supplemental Wiring Guide

RJ45 Connection
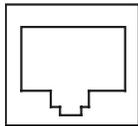for security/automation or SmartConnect integration and/or use with wall switch and CAT5E cable
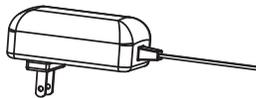
Hardwired Sensor
(10' cable) attached here

WaterCop
SmartConnect
WI-FI & MOBILE APP INTERFACE

WaterCop
ON
MAIN WATER CONTROL
OFF

Pro Interface Contacts

1 - - - - - - - - - - - - 8

7	Brown/White (5VDC)
5	Blue/White (to close)
6	Green (to open)

CAT5-E

3	Green/White
4	Blue
2	Orange

RJ45 Socket

Power Supply (20' Cable)
Note polarity red wire is attached to +12V terminal

WPACT12V Actuator
1 Black
2 Red
3 Green
4 Brown or Yellow
5 White
6 Blue

WPACT12V
available with 25', 50', 75' or 150' cable

WaterCop
AUTOMATIC WATER SHUT-OFF SYSTEMS
PRO
ACTUATOR
c UL us
LISTED
57HM
watercop.com   St. Clair, MO 63077

WIRING GUIDE

+12V | GND | 1 | 2 | 3 | 4 | 5 | 6 | 1 | 2 | 1 | 2 | 1 | 2
REMOTE VALVE | 12V RLY | ALARM | TROUBLE

Dry contact closure signal to security panel during alerts
An alert is a problem with a sensor. A probe is shorted, open or low battery is detected. Water is not shut off.
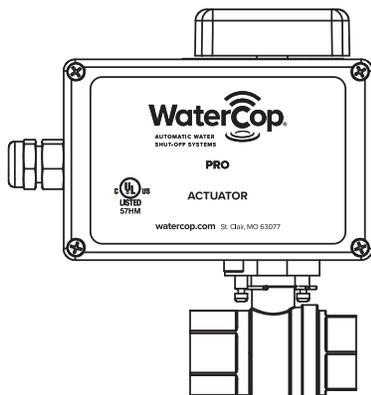
Dry contact closure signal to security panel during alarms
An alarm is a water shut-off due to a sensor detecting water and activating the system. There is no alarm signal if the valve is closed by an input from the security panel or the WaterCop panel.

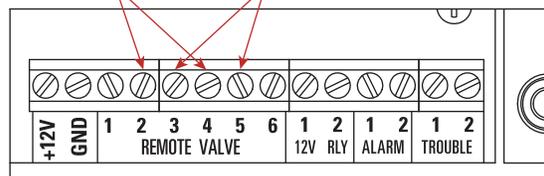**12 VDC Signal** when the unit displays water is off for use with remote relay

Jumper wire
between 2 & 4

Jumper wire
between 3 & 5

+12V | GND | 1 | 2 | 3 | 4 | 5 | 6 | 1 | 2 | 1 | 2 | 1 | 2
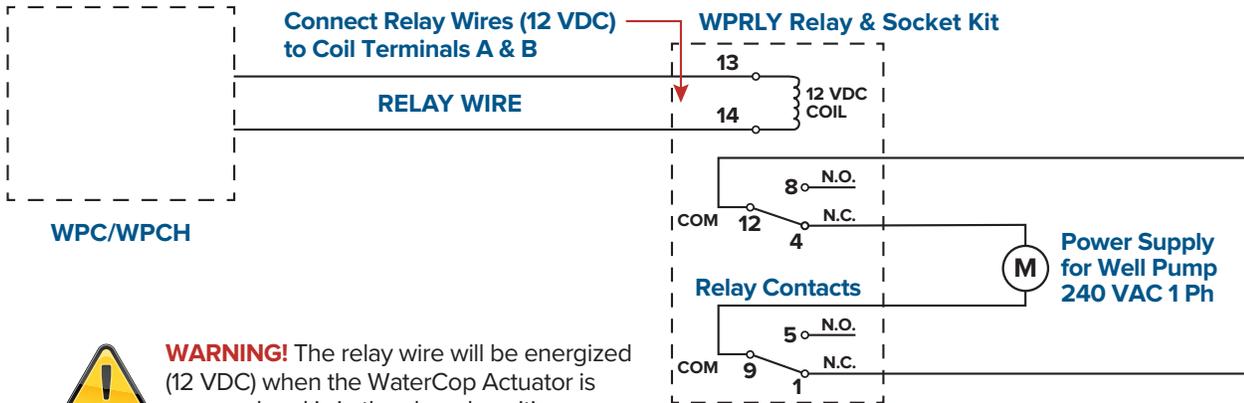REMOTE VALVE | 12V RLY | ALARM | TROUBLE

Note: When using WPC or WPCH to only control a remote replay (no WPACT12V attached) jumper wires must be attached as shown

The proven leader in household leak protection: **WaterCop® is there when you're not.**
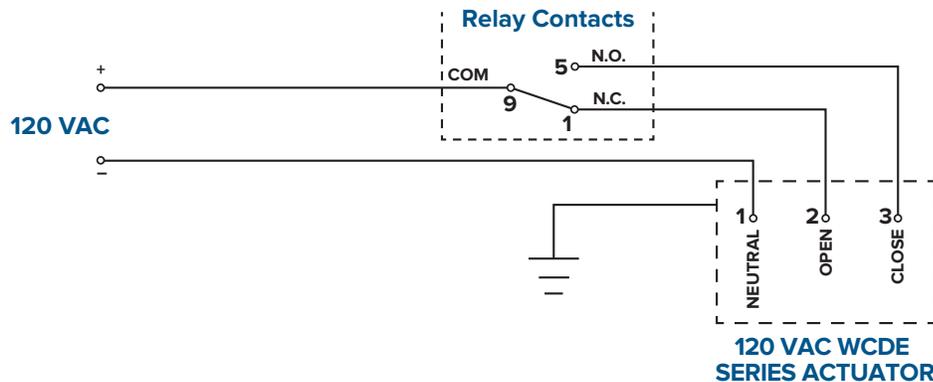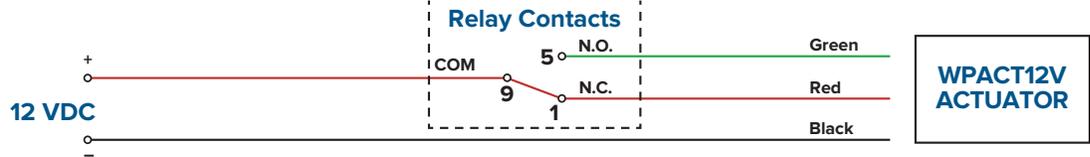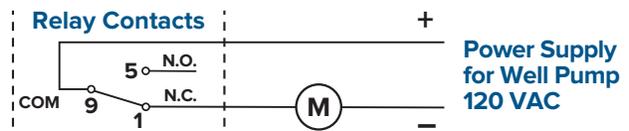
WPC/WPCH Supplemental Wiring Instructions

Relay wiring to control ancillary devices such as well pumps, recirculating pumps, secondary WPACT12V WaterCop valves or DynaQuip DE/MA series actuators.

Note: Use "NEMA" terminals on WPRLY socket

Connect Relay Wires (12 VDC) to Coil Terminals A & B

WPRLY Relay & Socket Kit

RELAY WIRE

13

14

12 VDC COIL

WPC/WPCH

8   N.O.

N.C.

COM   12

4

Relay Contacts

M   **Power Supply for Well Pump 240 VAC 1 Ph**

5   N.O.

N.C.

COM   9

1

WARNING! The relay wire will be energized (12 VDC) when the WaterCop Actuator is powered and is in the closed position. Make connections to the relay coil before energizing the actuator.

Relay Contacts   +

5   N.O.

N.C.

COM   9

1

M   **Power Supply for Well Pump 120 VAC**

−

Relay Contacts

COM   N.O.   5   Green

9   N.C.   Red

1   Black

WPACT12V ACTUATOR

+

12 VDC

−

Relay Contacts

5   N.O.

COM

9   N.C.

1

+

120 VAC

−

1   NEUTRAL

2   OPEN

3   CLOSE

120 VAC WCDE SERIES ACTUATOR

Made in the USA