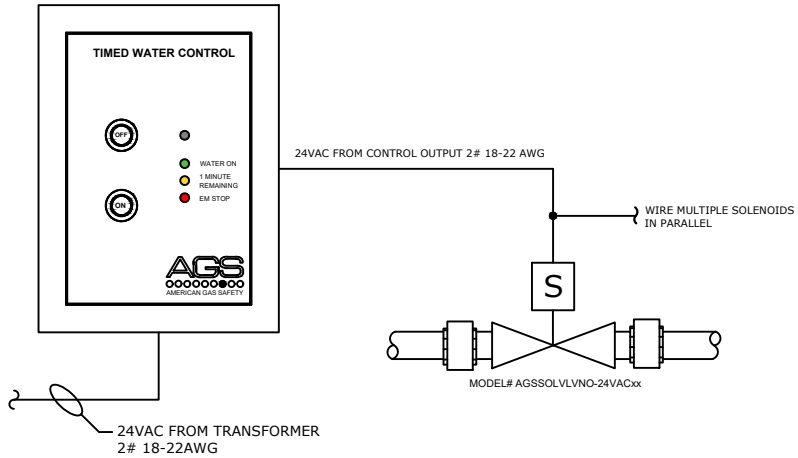


# AGSTWC - 24VAC

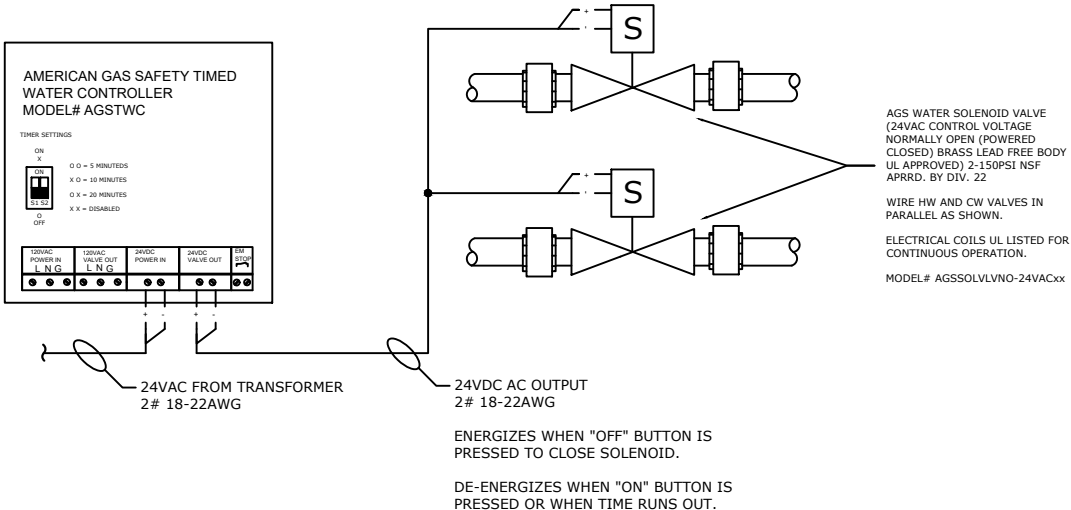
## OVERVIEW



## SEQUENCE OF OPERATION

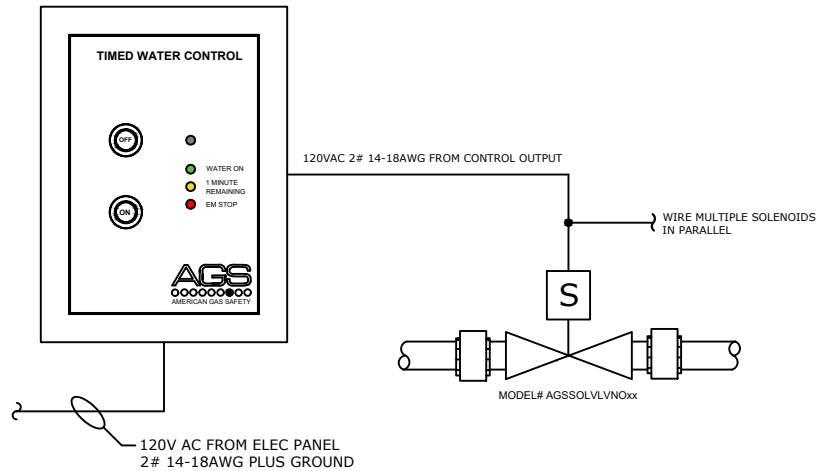
1. WATER SOLENOID VALVES.
  - 1.1. THIS SYSTEM USES NORMALLY OPEN WATER SOLENOID VALVES, WHICH MEANS THEY MUST BE ENERGIZED TO CLOSE.
2. "ON" BUTTON.
  - 2.1. ENERGIZES THE WATER SOLENOID VALVE TO CLOSE FOR SET TIME FUNCTION.
  - 2.2. TIME FUNCTION MAY BE CHANGED OR DISABLED.
3. "OFF" BUTTON
  - 3.1. DE-ENERGIZES THE WATER SOLENOID VALVE TO RE-OPEN THE WATER SOLENOID VALVE.

## WIRING



# AGSTWC - 120VAC

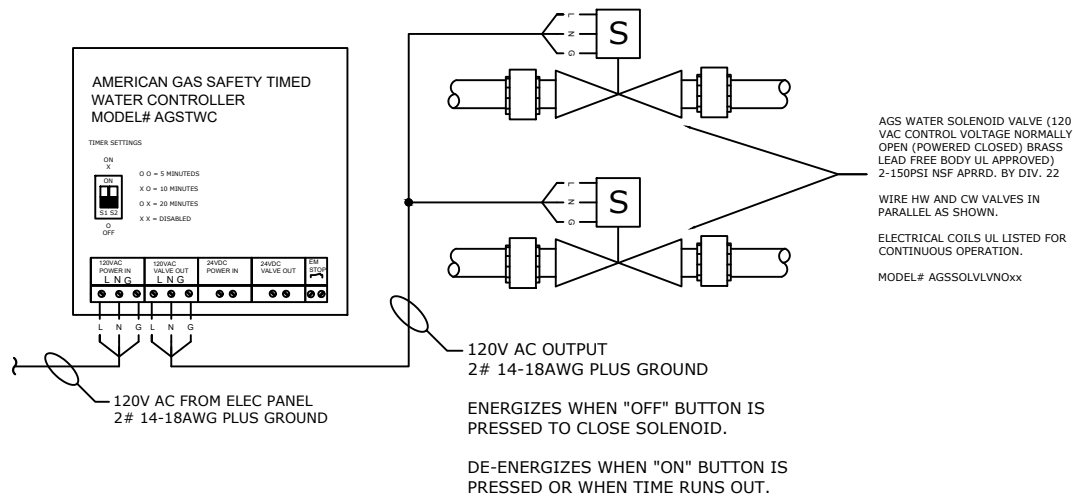
## OVERVIEW



## SEQUENCE OF OPERATION

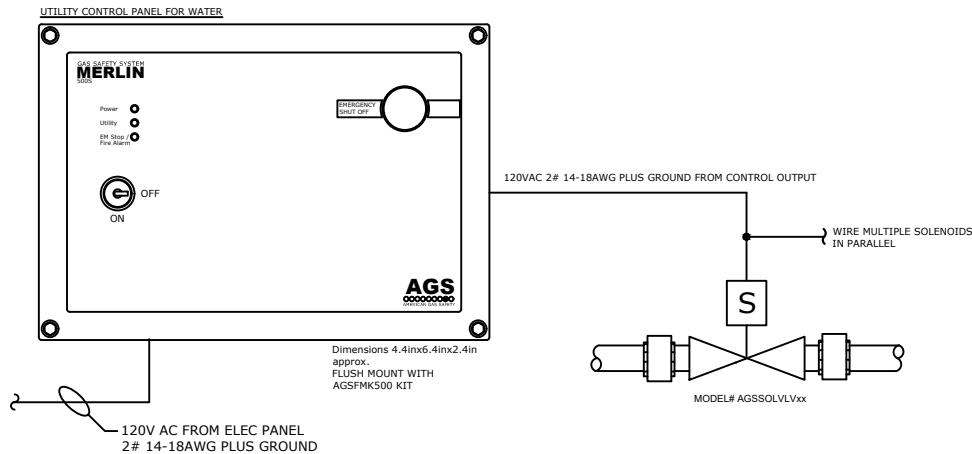
1. WATER SOLENOID VALVES.
  - 1.1. THIS SYSTEM USES NORMALLY OPEN WATER SOLENOID VALVES, WHICH MEANS THEY MUST BE ENERGIZED TO CLOSE.
2. "ON" BUTTON.
  - 2.1. ENERGIZES THE WATER SOLENOID VALVE TO CLOSE FOR SET TIME FUNCTION.
  - 2.2. TIME FUNCTION MAY BE CHANGED OR DISABLED.
3. "OFF" BUTTON
  - 3.1. DE-ENERGIZES THE WATER SOLENOID VALVE TO RE-OPEN THE WATER SOLENOID VALVE.

## WIRING



# MERLIN 500S - 120VAC

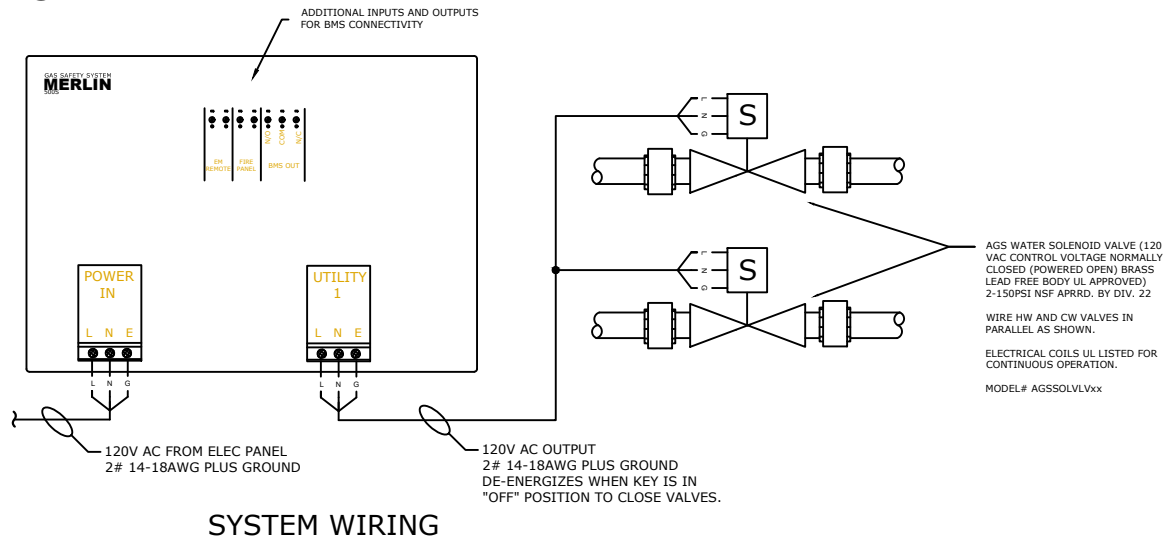
## OVERVIEW



## SEQUENCE OF OPERATION

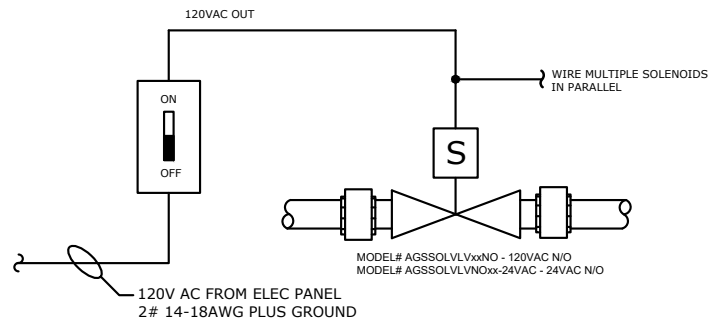
1. SOLENOID VALVES
  - 1.1. THIS SYSTEM USES NORMALLY CLOSED SOLENOID VALVES, WHICH MEANS THEY MUST BE ENERGIZED OPEN.
2. KEY IN ON POSITION
  - 2.1. VALVES ARE ENERGIZED OPEN BY 120VAC OUTPUT
3. KEY IN OFF POSITION
  - 3.1. VALVES ARE DE-ENERGIZED
4. EMERGENCY INPUTS
  - 4.1. SYSTEM WILL DE-ENERGIZE THE SOLENOID VALVES AND DISPLAY EMERGENCY INPUT LED ON FRONT FASCIA
  - 4.2. MANUAL RESET REQUIRED VIA KEY TO RESTORE OPERATION
5. BMS OUT RELAY
  - 5.1. SWITCHES WHEN WATER IN ON/OFF OR WHEN SYSTEM WHEN EMERGENCY SHUTDOWN IS ACTIVATED.

## WIRING



# LIGHT SWITCH OPERATION

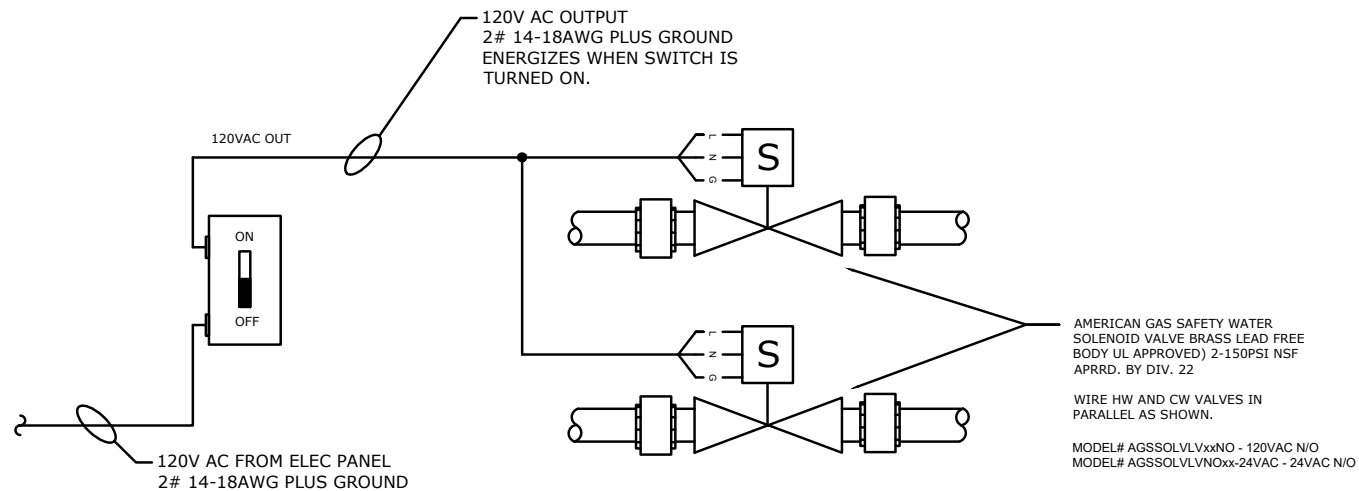
## OVERVIEW



## SEQUENCE OF OPERATION

1. WATER SOLENOID VALVES.
  - 1.1. THIS SYSTEM USES NORMALLY OPEN WATER SOLENOID VALVES, WHICH MEANS THEY MUST BE ENERGIZED TO CLOSE.
  - 1.2. VALVES MUST BE AGS SOLVLV SERIES.
2. SWITCH ON.
  - 2.1. ENERGIZES THE WATER SOLENOID VALVE TO CLOSE.
3. SWITCH OFF.
  - 3.1. DE-ENERGIZES THE WATER SOLENOID VALVE TO RE-OPEN.

## WIRING



① **DETAIL - LAB WATER ON/OFF SWITCH 120VAC**  
N.T.S.