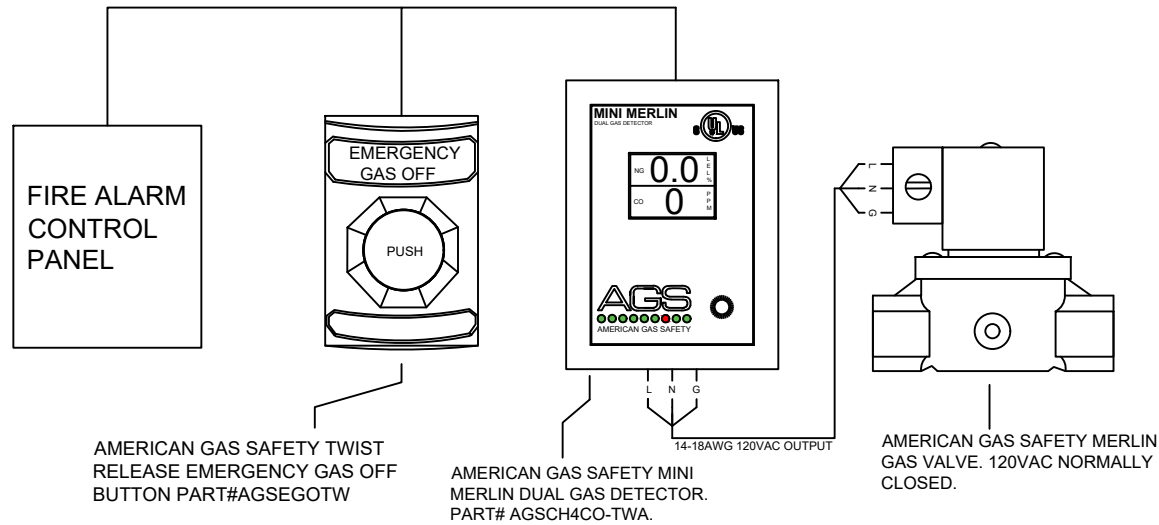


N/C DRY CONTACT INPUT



SEQUENCE OF OPERATION:

1. NORMAL OPERATION: WHEN THE MINI MERLIN DETECTOR IS POWERED AND GAS LEVELS ARE BELOW THE ALARM THRESHOLD, THE 120VAC OUTPUT WILL BE CONTINUOUSLY ENERGIZING THE NORMALLY CLOSED SOLENOID VALVE. UNDER THIS CONDITION, THE VALVE WILL BE OPEN, ALLOWING GAS TO FLOW.
2. ALARM CONDITION: WHEN CARBON MONOXIDE OR NATURAL GAS LEVELS SURPASS THE MINI MERLIN'S ALARM THRESHOLD, THE 120VAC OUTPUT WILL DE-ENERGIZE CAUSING THE NORMALLY CLOSED GAS VALVE TO CLOSE.
3. PANIC INPUT: WHEN THE EMERGENCY PANIC BUTTON IS PRESSED, THE VALVE OUTPUT WILL BE DE-ENERGIZED, CAUSING THE VALVE TO CLOSE.
4. FIRE ALARM INPUT: WHEN THE FIRE ALARM CONTROL PANEL SENDS A N/C DRY CONTACT SIGNAL, THE 120VAC OUTPUT WILL DE-ENERGIZE CAUSING THE NORMALLY CLOSED GAS VALVE TO CLOSE.
5. MANUAL RESET: UNDER ANY ALARM OR PANIC BUTTON CONDITION, A MANUAL RESET WILL BE REQUIRED TO RETURN TO NORMAL OPERATION.
6. ALARM LEVELS: 10%LEL COMBUSTIBLE GAS AND 20PPM CARBON MONOXIDE FOR 2 HOURS / 50PPM FOR 1 HOUR / 100PPM FOR 10 MINUTES AND 300PPM FOR 1 MINUTE.
7. PRE-ALARM LEVELS: 8%LEL COMBUSTIBLE GAS AND 20PPM CARBON MONOXIDE

NORMALLY CLOSED DRY CONTACT SIGNAL TO MINI MERLIN

