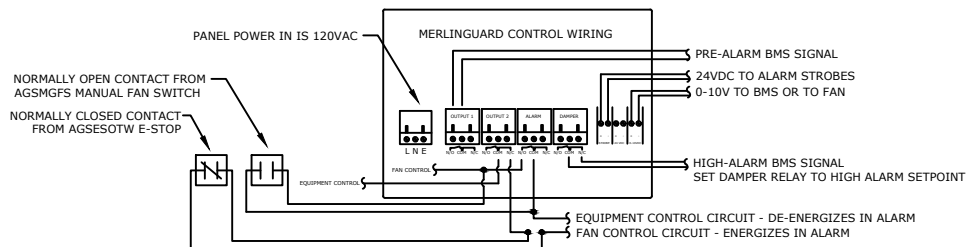
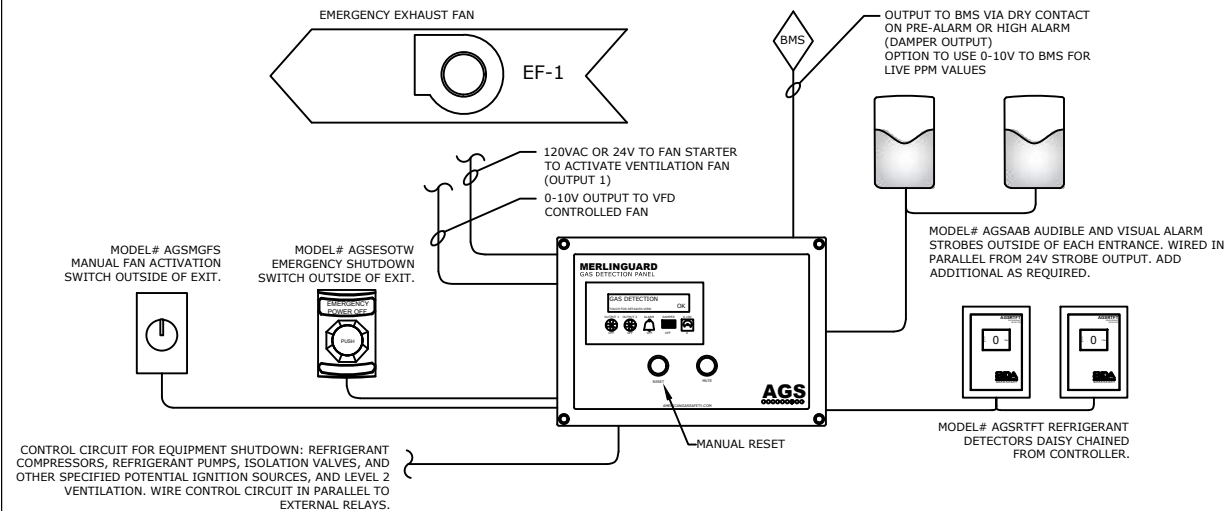


A2L TYPE REFRIGERANT GASES



SEQUENCE OF OPERATION

- 1. WHEN GASES ARE AT OR ABOVE PRE-ALARM,**
 - 1.1. OUTPUT 1 RELAY CHANGES STATE AND SHALL ALERT BMS OF PRE-ALARM DETECTION.
 - 1.2. 0-10V WILL SEND VOLTAGE CORRELATED TO LEVEL.
 - 1.3. DAMPER RELAY CHANGES STATE AND SENDS ALERT TO BMS SYSTEM.
- 2. WHEN GASES ARE ABOVE HIGH ALARM,**
 - 2.1. OUTPUT 2 RELAY CHANGES STATE AND EQUIPMENT IS SHUT DOWN.
 - 2.1.1. EQUIPMENT MAY BE CHILLERS, SOLENOID VALVES, COMPRESSORS, PUMPS, AND OTHER IGNITION SOURCES.
 - 2.2. 0-10V WILL SEND 10V.
 - 2.3. ALARM RELAY CHANGES STATE, LATCHES, AND ACTIVATES EMERGENCY VENTILATION FAN.
 - 2.4. DAMPER RELAY CHANGES STATE AND NOTIFIES BMS SYSTEM OF HIGH ALARM CONDITION.
 - 2.5. THE 24VDC SOUNDER STROBE WILL ENERGIZE AUDIBLE ALARM BEACONS, AND THE PANELS INTERNAL BUZZER WILL SOUND.
- 3. AFTER ALARM CONDITION THE ALARM SEQUENCE WILL HAVE TO BE MANUALLY RESET AT THE PANEL.**
- 4. WHEN THE SHUT-OFF BUTTON IS PRESSED,**
 - 4.1. EQUIPMENT IS SHUT OFF.
 - 4.2. MUST MANUALLY RESET TO TURN EQUIPMENT BACK ON.
- 5. WHEN THE MANUAL FAN SWITCH IS TWISTED ON,**
 - 5.1. THE FANS WILL ACTIVATE UNTIL THE SWITCH IS REVERTED BACK, GAS DETECTION OVERRIDES.

SCOPE OF WORK

- A. FULL SYSTEM SHALL BE PROVIDED BY ONE CONTRACTOR, AND COORDINATE WITH OTHER DIVISIONS AS REQUIRED.
- B. POWER IN: CONTROL PANEL MUST BE POWERED VIA 120VAC BY DIV. 26.
- C. CONTROL WIRING: CONTROL WIRING MAY BE 120VAC OR 24VAC. IF UTILIZING 24VAC FOR CONTROL WIRING, 24VAC PERMANENT OUTPUT WITHIN CONTROL PANEL MAY BE USED, OR ELECTRICIAN MUST PROVIDE TRANSFORMER.

OUTPUTS AND RELAYS

- A. **OUTPUT 1 RELAY:** 120/250VAC 6A MAX. IF GREATER, USE AN EXTERNAL RELAY.
- B. **OUTPUT 2 RELAY:** LATCHES UNTIL MANUAL RESET BUTTON IS PRESSED. 120/250VAC 6A MAX. IF GREATER, USE AN EXTERNAL RELAY.
- C. **ALARM RELAY:** LATCHES UNTIL MANUAL RESET BUTTON IS PRESSED. 120/250VAC 6A MAX.
- D. **DAMPER RELAY:** SWITCHES WITH OUTPUT 1 RELAY OR OUTPUT 2 RELAY. 120/250VAC 6A MAX.
- E. **0-10V OUTPUT:** LINEAR 0-10V BASED ON ALARM SETPOINT RANGE. HIGH ALARM IS 10V.