

AMERICAN GAS SAFETY  
410A REFRIGERANT DETECTOR  
MODEL#AGSR-NDIR  
FLUSH MOUNT INSIDE DUAL GANG  
ROUGH IN BOX 1FT A.F.F

DETECTOR POWER IN.  
24VAC OR 120VAC.

POWER SUPPLY FOR 410A  
SOLENOID VALVE. RUN POWER  
THROUGH NORMALLY CLOSED  
RELAY.

2000PPM NORMALLY CLOSED DRY  
CONTACT SIGNAL TO RELAY

24VAC/DC  
RELAY  
POWER IN

MANUAL RESET LATCHING RELAY  
SIMILAR TO RIB MODEL# RIBMNLB-1  
GENERAL PURPOSE LATCHING RELAY  
24VAC/DC POWER INPUT

120V NORMALLY CLOSED  
410a SOLENOID VALVE  
SEE SOLENOID VALVE SPECS FOR  
POWER REQUIREMENTS

DRY CONTACT TO VRF SYSTEM TO  
SIGNAL SHUT DOWN

SEQUENCE OF OPERATION:

1. AT 2000PPM OF 410A THE AGSR-VRF DETECTOR WILL SIGNAL THE RIBMNLB-1 RELAY VIA N/C DRY CONTACT SIGNAL.
2. UPON RECEIVING A N/C DRY CONTACT SIGNAL, THE RIBMNLB-1 RELAYS WILL SWITCH CAUSING THE 410A SOLENOID VALVE TO DE-ENERGIZE AND CLOSE.
3. THE RIBMNLB-1 RELAYS WILL REMAIN SWITCHED UNTIL MANUALLY RESET VIA ON BOARD PUSH BUTTON.