

YELLOW JACKET[®] - Integrated Area Monitor (IAM)

Installation Instructions

Refrigerants are generally heavier than air, so the area monitors needs to be mounted approximately 3 feet (1 meter) off the floor. If you are using the monitor to detect lighter than air refrigerant than the monitor should be mounted approximately 1 foot (30 cm) off the ceiling.

Choose a location away from drafts and heat sources like radiators or over boilers etc.

The unit should not be installed in areas where moisture may build up (i.e. in a kitchen or bathroom).

Main power to the unit should be switched and fused. A 3 or 5 amp rating is recommended.

The relays on the unit may be used for signaling, switching power to a shutoff valve, etc., subject to a minimum rating of 5VDC @ 10mA and a maximum of 24 VDC @ 1A.

An external contactor or relay coil may be connected to CN6, as shown on the installation diagram, with a maximum rating of 230VAC @ 20mA. This output is designed to switch AC only.

Operation

When powered-up normally, the unit will sense for the presence of gas after an initial warm-up delay of 5 minutes. The green LED will flash 1-second intervals during the warm-up.

By default, there is a 10-minute delay before the alarm is set off. This is selectable by jumpers for 0, 5, 10 & 15 minutes. (See attached diagram)

When the alarm is activated, the buzzer, relay and external interface will be turned on, and the red LED will be on.

The mute button on the exterior of the case may be pressed. This will cause the buzzer to turn off.

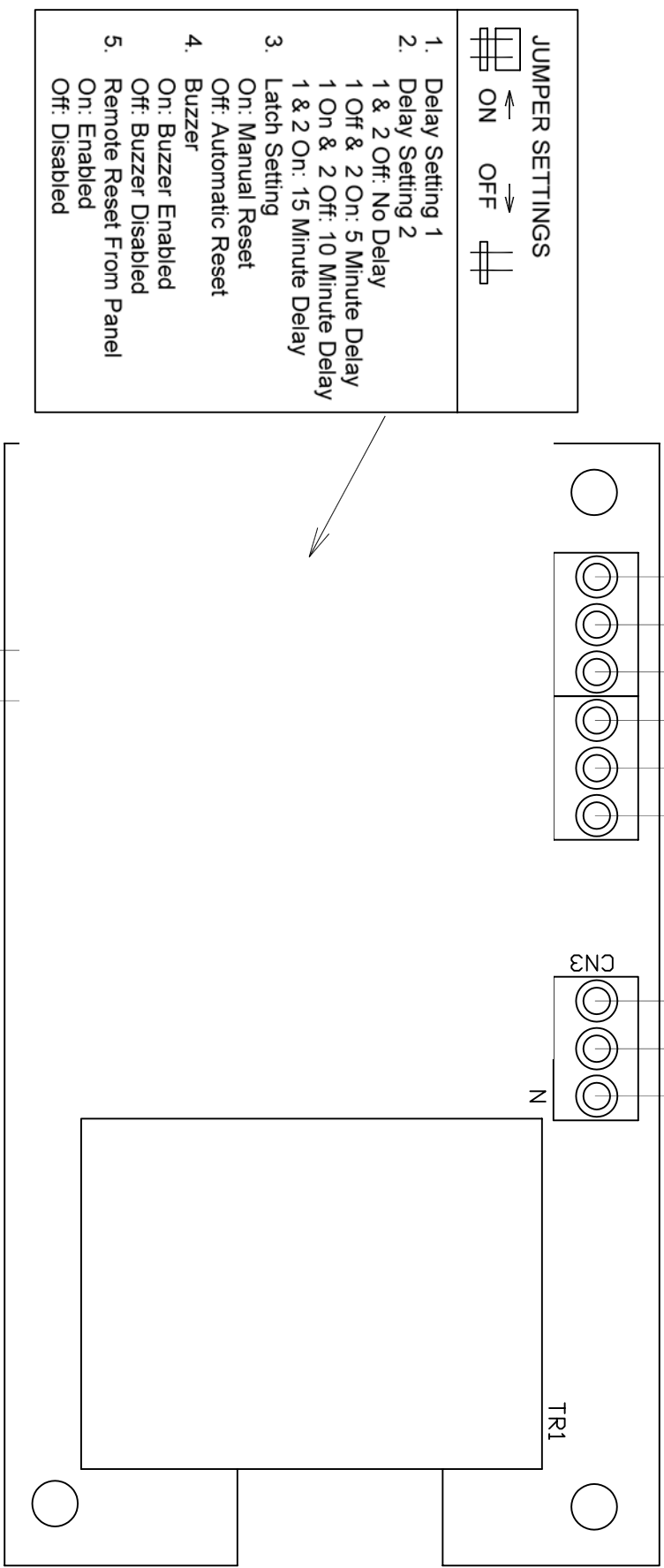
The reset button is accessible via a hole in the front panel (near the green LED) this may be pressed to reset the alarm. This is only effective when the gas has cleared from around the alarm unit, indicated by the red LED turning off.

A non-metallic object such as a toothpick or match should be used to operate the reset button.

If automatic reset is enabled, the alarm will reset it self without user intervention.

ND-VOLTAGE CONTACTS
 5V 10mA MIN.
 24V 1A MAX.

115/230 VAC
 MAIN POWER



JUMPER SETTINGS



1. Delay Setting 1
 Delay Setting 2
 1 & 2 Off: No Delay
 1 Off & 2 On: 5 Minute Delay
 1 On & 2 Off: 10 Minute Delay
 1 & 2 On: 15 Minute Delay
3. Latch Setting
 On: Manual Reset
 Off: Automatic Reset
4. Buzzer
 On: Buzzer Enabled
 Off: Buzzer Disabled
5. Remote Reset From Panel
 On: Enabled
 Off: Disabled

500 METERS MAXIMUM
 24 AWG/(7/0.2MM) ALARM CABLE

TD
 REMOTE
 PANEL