



# **Refrigeration Controls**

by

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# AMMONIA LEAK DETECTOR & ALARM

## Limits of Toxicity of Ammonia

Minimum Detectable Concentration	10 ppmv
TWA Value	50 ppmv
Serious Irritation Level	250 ppmv
Limit to Tolerable Breathing	500 ppmv

## AMMONIA LEAK DETECTOR & ALARM

Ammonia Leak Detector Setting		
Alarm	Setting PPM	
	Manned Area	Unmanned Area
First	50	30
Second	150	70
Third	250	100

# AMMONIA LEAK DETECTOR & ALARM



- Detects Leakage of Ammonia from 30 PPM
- Multi Level Alarm
- Single and Multi Channel Detection Unit
- 16 X 2 Line LCD display shows continuous ammonia level
- Inbuilt Hooter, And Relay to Operate Ventilation System
- Easy to Install
- Three Core Cable connection for Sensor
- Area Covered by one sensor is @ 2000 Sq. ft.

# AMMONIA LEAK DETECTOR & ALARM



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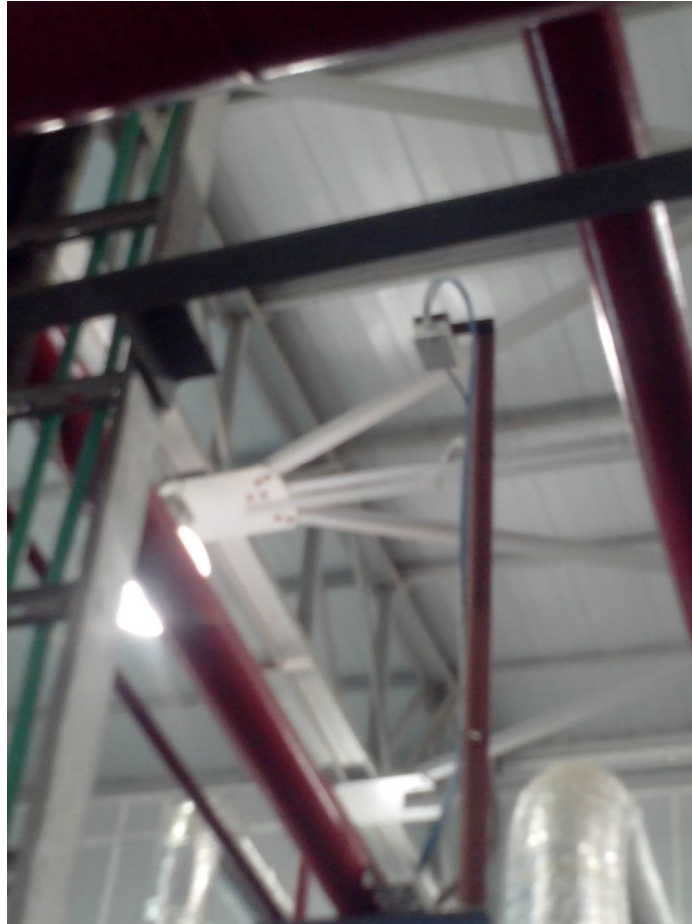


# AMMONIA LEAK DETECTOR & ALARM

## Location of Ammonia Sensors

- The Gas Detectors must be installed at High Level
- At least 1 detector at ceiling level on a grid of 10m to 20m intervals
- Above or to both sides of compressors
- Above Pressure vessels like H P / LP receivers
- Emergency power supply, e.g. battery or UPS for the detection system

## Location of Ammonia Sensors

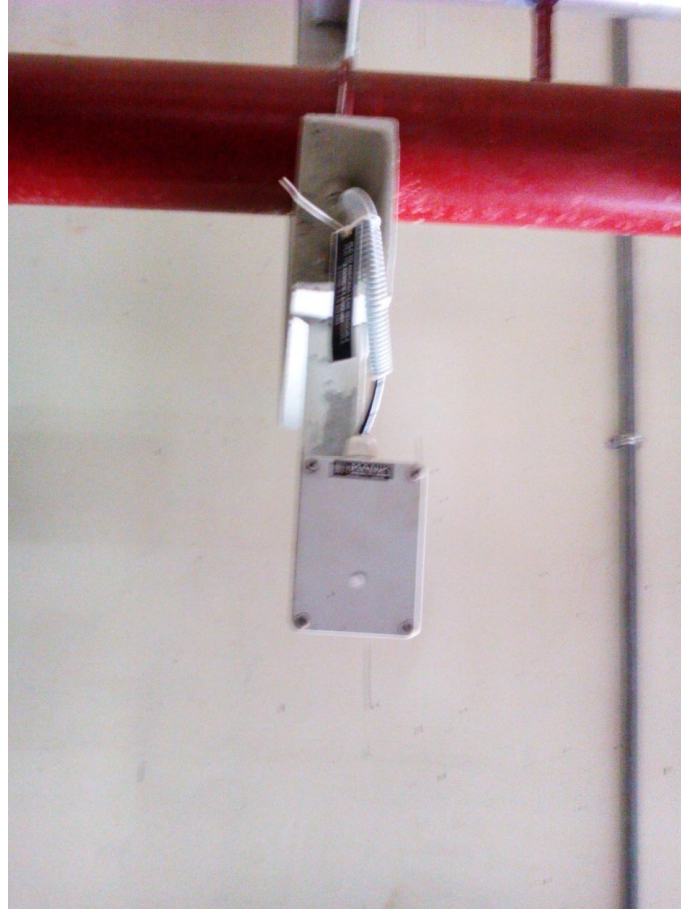




## Location of Ammonia Sensors



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## Portable Leak Detector

- Microprocessor controlled device
- Customized calibration optional possible
- Display of the calibrated gas concentration
- Various optional Accessories variable
- Values from 1 ppm up to 2000 ppm
- Optional 1 up to 1000 ppm
- acoustic signal depending on concentration
- ( can be switched off )
- Automatic measuring range change over
- automatic zero setting on air after switch on

