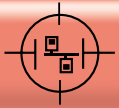


# GAS CONTROL UNIT

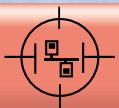
**WinGas**

CH<sub>4</sub>, CO, O<sub>2</sub>, H<sub>2</sub>S

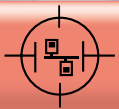
CO<sub>2</sub>, NH<sub>3</sub>, Cl<sub>2</sub>, O<sub>3</sub>, NO, H<sub>2</sub>, HCN, SiH<sub>4</sub>,



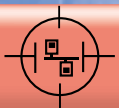
4 Measurement Channels



Remote Relay Modules



Central Control Network



Continuous self-checking



# OLDHAM

*Your environment, your safety,  
let's master them together*

CE

# Protect your working environment



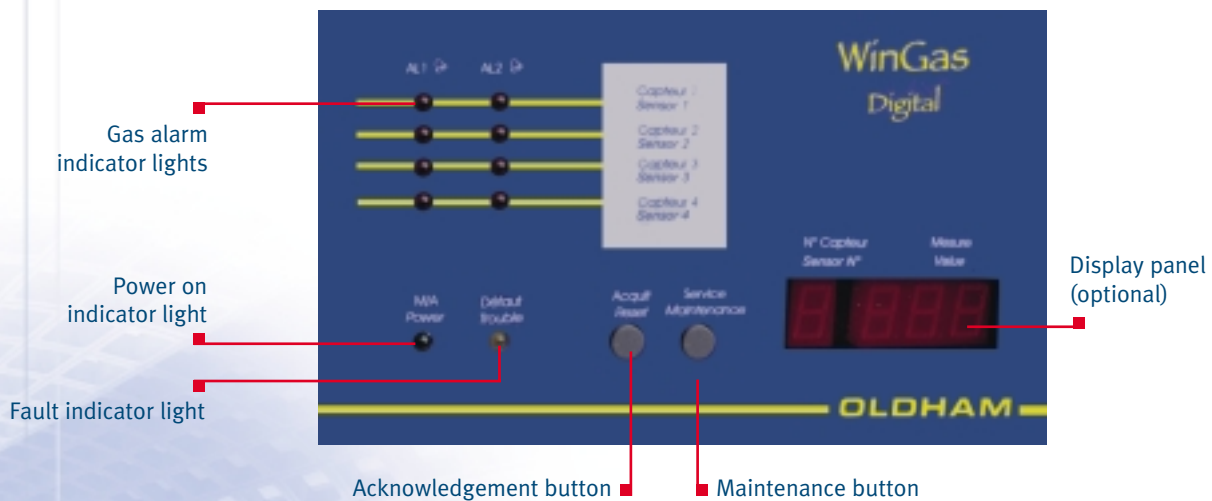
Supervision of a storage shed.

*The WINGAS control unit is the solution to gas detection requirements in most industrial sectors. It has been manufactured especially for the protection of your personnel and your environment, evaluating in places likely to contain explosive or toxic gases. WINGAS can be fitted with 4 independent channels, one display panel, common relays and a remote relay module.*

*Compliant with European norms, this fixed system was designed to maximise accuracy, reliability and decrease the maintenance usually required.*

## Several functions

### AN ERGONOMIC PANEL



### A DIGITAL DISPLAY PANEL

- Displays the gas concentration in the atmosphere.
- Ensures a clear visibility regardless of external light source.

### OPTIMISED CONFIGURATION

- 4 independent channels, each one fitting with :
  - 1 transmitter 4-20 mA (2 or 3 wires)
  - or
  - up to 5 transmitters CO 4-20 mA (2 wires)

The 4-20 mA signal is transmitted by screened cable.

## ALARMS

- 2 alarm thresholds per channel are available and indicated by 2 LED (AL1 and AL2). An audio signal is automatically generated with the visual alarms.
- Alarm thresholds can be changed via the software **WINGAS.COM** utilising the interface connection RS 485.

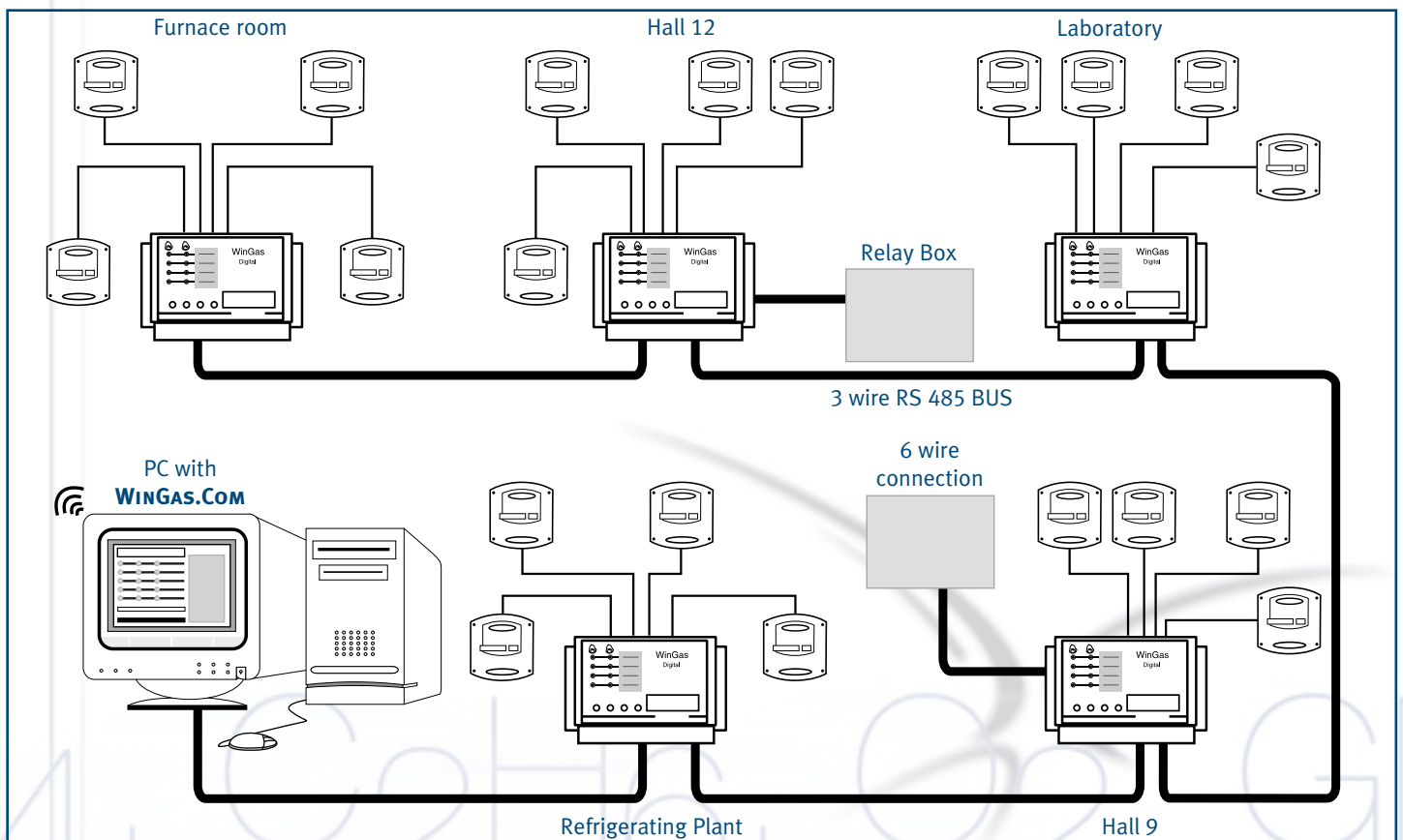
## COMMON RELAYS

- 3 common relays are dedicated to the alarms.
- 1 relay is activated for each event. It can be re-initialised by pressing the acknowledge button.
- The interface between the alarms and the process allows the secured level required.
- 4 common relays for alarms 1 and 2, the fault and buzzer functions can be configured to control external functions.
- The remote relay module (optional) supplies 2 additional relays (output on 3 contacts C/NO/NF) to each channel of the **WINGAS**.

## NETWORK AND SOFTWARE

- The network:
  - RS 485 : 2 active wires and cable plait
  - ensures the control of 128 inputs
- The **WINGAS SOFTWARE.COM**
  - control of up to 32 **WINGAS**
  - allows the centralisation and the visualisation of all the alarms, faults and other functions
  - enables the user to acknowledge alarms, test and set other parameters as required
  - allows access to the maintenance menu by a specific code

## WINGAS NETWORK



## TECHNICAL CHARACTERISTICS

<b>MANUFACTURER:</b>	• OLDHAM SA	<b>RELAYS:</b>	• 1 common relay AL1 • 1 common relay AL2 • 1 common fault relay in positive security • 1 state relay • Contact : - NO/NF - 2 A/230 VCA/30 VCC on resistive circuit
<b>FUNCTION:</b>	• Gas monitoring panel	<b>POWER SUPPLY:</b>	• 230 VAC • 115 VAC or 24 VDC (on request)
<b>TYPE:</b>	• WinGas	<b>POWER CONSUMPTION:</b>	• 30 W
<b>PRESENTATION:</b>	• Wall mounted	<b>PROTECTION RATING:</b>	• IP54
<b>ABILITY:</b>	• 4 independent channels	<b>WEIGHT:</b>	• 1,6 Kg
<b>MEASUREMENT:</b>	• Continuous	<b>DIMENSIONS:</b>	• 239 x 210 x 120 mm
<b>INPUT:</b>	• 4-20 mA - 2 or 3 wires	<b>WORKING TEMPERATURE:</b>	• -10°C to +60°C
<b>CONNECTION:</b>	• Screened cable 2 or 3 active wires	<b>CONFORMITY:</b>	• EN 50 054 and EN 50 057
<b>SERIAL INTERFACE:</b>	• RS 485 - 2 active wires and cable plait	<b>CEM:</b>	• EN 50 082-2 and EN 50 081-1
<b>DISPLAY PANEL (IN OPTION):</b>	• 4 red digits		
<b>VISUALISATION:</b>	• 8 red LED (1 per alarm and per channel) • 1 yellow LED (fault) • 1 green LED (power on indication)		
<b>ALARMS:</b>	• 2 gas alarm levels increasing or decreasing per channel		
<b>ACQUIT FUNCTION:</b>	• Automatic for the alarm AL1 • Programmable for the alarm AL2		
<b>BUZZER:</b>	• 90 Db at 1m		



OLDHAM ◀



Your agent or retailer

**OLDHAM**  
DETECTION GAZ / MESURE A L'EMISSION  
GAS DETECTION / STACK GAS MONITORING

Hatech Gasdetectietechniek B.V.  
Brasem 51  
4941SE, Raamsdonksveer  
The Netherlands  
Tel: +31(0)162510004  
Fax: +31 (0)162519398  
info@hatechgas.com  
www.hatechgas.com

