



Excellent adaptation for the utilisation
in smaller boiler rooms
to control natural gas,
refrigerant fluid or freons

MCS 2000 - 2D / 4D for two measuring points with display

- microprocessor controlled gas warning system to control air continuously for flammable gases and toxic gas concentrations
- 2 or 4 metering points
- 4 free adjustable alarm circuit points per metering point, master and zone alarm output
- 5 potential free switching outputs, freely programmable statically or clocked, expandable via RS 485-Bus relay output module with 12 Relays, free programmable
- metering signal inputs 4-20 mA
- LED display operation display, fault monitoring and alarm messages
- LCD plain writing display for the information of concentration values
- real time system clock
- self-control, software Watchdog
- line-monitoring, cold start alarm check
- data interface RS 232, RS 485
- piezo-buzzer
- port for external 24V/DC supply
- plastic case or switch cabinets

FEEL • MEASURE • WARN

Technical specifications (subject to change without notice)

Case	wall housing or blind frame for control cabinet or cable line installation				
Installation type	wall-mounted	bearing rail DIN EN 50022			
Case material	hostyrene/polystyrene	shock resistant			
Measurements	H x W x D	190 x 140 x 70 mm, incl. high strength cable glands			
Temperature range	-20 °C ... +50 °C				
Relative humidity	15-90 %				
Protection system	IP 50				
Signal thresholds	alarm 1 alarm 2 alarm 3 alarm 4	self-extinguishing/saving self-extinguishing/saving self-extinguishing/saving self-extinguishing/saving	free programmable free programmable free programmable free programmable		
Switching outputs	5	potential-free changer 250 V/2,5 A free programmable			
Operating elements	1 push button 1 push button	horn and alarm reset system control			
External connection	horn off	alarm reset			
Indicators	LED-display LCD-display	red yellow green 2 x 16 characters	alarm 1...4 malfunction power	horn active maintenance ready illuminated	master alarm fire alarm/SHE
Data interface	RS 232	D-SUB plug 9-pole			
Connected loads	230 V/50 Hz/60 W	24 V/DC/60 W			
Sensor connection	2 sensor connection inputs terminal 3-pin 24 V/DC, measuring signal 4-20 mA, DND				
Sensors	all sensors with 4-20 mA output				
Options	emergency power supply module phone dialling unit key switch supporting bar mounting	24 V forwarding of alarm- and fault reports blocking off alarm in case of service			

Front plate

