BE ATEX

GASMASTER

CROWCON
Detecting Gas Saving Lives

THE GAS DETECTION CONTROL PANEL THAT HAS A WIDE RANGE OF FEATURES AND IS EASY TO USE.

The Gasmaster control panel is compatible with all gas detectors. It has a full multichannel display, a powerful integrated sounder and sophisticated control functions.

The Gasmaster is a compact, versatile and powerful gas detection control panel that combines simple operation with an extensive array of input and output functions.

The large multilingual display shows all detectors simultaneously, providing you with all the information you need at a glance.

FEATURES

INPUTS

Available lines:
Gas: up to four gas detectors (4-20mA or mV)
Fire: up to 4 loops of a maximum of 20 conventional smoke/ heat detectors or up to 4 flame detectors

Nominal voltage: 20 to 30 DC

Maximum total current for the lines: 500mA
2A at 24V DC (maximum power available: 48W)

ALARMS

Relays: two relays per channel: low alarm and high alarm. Three common relays: low, high and default (5A 230V AC non-inductive, energised or de-energised)

Programming: high alarm and low alarm per channel plus common low, high and fault values. Alarm relays can be set for rising or falling alarms. Hysteresis can be adjusted on low alarms.

Audible/visual alarm command: max. 24V DC 650mA

OUTPUTS

Analogue output:
4-20mA for each channel (current source, max. loop resistance 700Ω) or 1-5V DC (min. load 50kΩ)

Digital communication:
RS-485 Modbus RTU for monitoring and control via DCS/ SCADA/PLC systems

TECHNICAL DATA

Size	11.3 x 10.9 x 4.3 in. (28.8 x 27.8 x 11.0 cm)
Weight	10lbs (4.5kg)
Protection Class	IP65
Enclosure material	Back-box: cast aluminium Front cover: ABS (flame retardant)
Power supply	100-240Vac 50-60Hz or 20-30Vdc, 60W max
Battery back-up	1.2Ah batteries fitted internally
Operating temperature	-10°C to +50°C (14°F to 122°F)
Humidity	0 to 95% RH non-condensing

Approvals	
ATEX	System conforming to EN60079-25 Baseefa 05Y0090/1
EMC	EN50270, EN60945, FCC: CFR 47 Part 15; ICES-003
SIL2	
Validated to IEC61508	

ASSOCIATED FIXED DETECTORS


Xgard


Xsafe


XgardIQ


TXgard IS+


TXgard Plus


Xgard Bright


Flamgard Plus


IREX infrared