

RELAY SPECIFICATIONS

ALL DRY CONTACT RELAYS RATED AT 2 AMPS AT 250 VAC OR 3 AMPS AT 30 VDC. FAULT AND ALARM RELAYS ARE SPST NORMALLY OPEN(N.O.) OR NORMALLY CLOSED(N.F.) (JUMPER SETTABLE). ALL RELAYS ARE SOFTWARE SELECTABLE AS ENERGIZED/DE-ENERGIZED, UPSCALE/DOWNSCALE ACTIVE AND LATCHING/NON-LATCHING VIA INTERNAL PUSH BUTTONS. (SEE MANUAL FOR DETAILS)

NF NO

AL1

NF NO

AL2

NF NO

AL3

NF NO

AL4

NF NO

DEF

1

2

3

4

5

6

7

8

9

10

AL1

AL2

AL3

AL4

DEFAULT

ALARMS AND FAULT
CONTACT OUTPUTS

POWER CONNECTIONS

Ph = AC POWER LINE CONNECTION.
N = AC POWER NEUTRAL CONNECTION.
⬇ = AC POWER EARTH GROUND CONNECTION.
AC INPUT VOLTAGE IS 115 VAC OR 230 VAC±15%, 50/60HZ, 20VA

Meiss

N

Ph

FOR DC OPERATION, SEE MANUAL

SIGNAL OUTPUT WIRING

4-20mA OUTPUT HAS 250 OHM MAX. LOAD

4-20mA output

+V_{cc}+I_{cc}-1.0V

mA

4-20mA OUTPUT
REFERENCED -

4-20mA output

+V_{cc}+I_{cc}-1.0V

mA

4-20mA OUTPUT
REFERENCED +

SIGNAL INPUT WIRING

+V SUPPLIES 15V,200mA MAX.

4-20mA input

+V_{cc}+I_{cc}-1.0V

2 WIRE
SENSOR
4-20mA

4-20mA input

+V_{cc}+I_{cc}-1.0V

3 WIRE
SENSOR
4-20mA

REMOTE DEVICE WIRING

ALM

FAULT

DO NOT USE

Front panel view of the Gasgard unit. Dimensions: 9.921 [252] wide, 6.378 [162] high. Components include a digital display, Power, Fault, and Test buttons, four indicator lights (AL4, AL3, AL2, AL1), and an ACK button. A terminal block on the left is labeled J4. The MSA logo and CE mark are on the right. Three hole plugs are indicated at the bottom.

Bottom view of the Gasgard unit. Dimensions: 9.98 [25] high. Three mounting holes are shown with a diameter of 0.750 [19]. Spacing between holes: 1.575 [40], 1.378 [35], 1.378 [35].

Top view of the Gasgard unit. Dimensions: 2.756 [70] wide, 7.795 [198] high. Mounting holes are shown with a diameter of 0.198 [5] and a clearance hole for a #10 screw. A key hole slot for a #10 screw is also indicated. Spacing between mounting holes: 1.063 [27], 1.85 [47], 3.125 [79], 6.25 [159].

CUSTOMER _____

P.O. # _____

MSA # _____

LOCATION _____

TAG # _____

TOTAL NO. OF UNITS _____

NOTE:

1. DIMENSIONS SHOWN IN INCHES [MILLIMETERS] .
MILLIMETER DIMENSIONS SHOWN FOR REFERENCE ONLY.

2. FOR MORE INFORMATION REFER TO MANUAL #10029331

3. ENCLOSURE IP20 GENERAL PURPOSE

4. WEIGHT (NO OPTIONS) 5.7 LBS.(2.6KG).

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INTERCHANGEABLE-PART		MINE SAFETY APPLIANCES COMPANY PITTSBURGH, PA.					
AUTHORIZED COUNTRY		MSA STANDARD SHOP PRACTICES APPLY		DATE		JOB NO. 30000016 PH0703 SCALE 1/2X	
ALGER	M. EAST	CODE SYMBOLS	MAJOR A	MAJOR B	MINOR (NO MARK)	CHECKED BY	1-9-04
AUSTRALIA	MSA EUROPE	CRITICAL	MAJOR A	MAJOR B	MINOR (NO MARK)	PROJECT ENGINEER	1-9-04
CANADA	NETHERLANDS	MAJOR B	MAJOR A	MAJOR B	MINOR (NO MARK)	QUALITY ASSURANCE	1-9-04
CHILE	S. AFRICA	MAJOR B	MAJOR A	MAJOR B	MINOR (NO MARK)	MANUFACTURING	1-12-04
CHINA	S.E. ASIA	MAJOR B	MAJOR A	MAJOR B	MINOR (NO MARK)		
FINLAND	SPAIN	MAJOR B	MAJOR A	MAJOR B	MINOR (NO MARK)		
FRANCE	SWEDEN	MAJOR B	MAJOR A	MAJOR B	MINOR (NO MARK)		
INDIA	SWITZERLAND	MAJOR B	MAJOR A	MAJOR B	MINOR (NO MARK)		
ISRAEL	MSA BRITAIN	MAJOR B	MAJOR A	MAJOR B	MINOR (NO MARK)		
JAPAN		MAJOR B	MAJOR A	MAJOR B	MINOR (NO MARK)		
KOREA		MAJOR B	MAJOR A	MAJOR B	MINOR (NO MARK)		
MALAYSIA		MAJOR B	MAJOR A	MAJOR B	MINOR (NO MARK)		
MEXICO		MAJOR B	MAJOR A	MAJOR B	MINOR (NO MARK)		