

# GfG Instrumentation, Inc.

GMA200-MT/-MW

Customer:

Version:



Measuring point configuration

Project/Order confirmation no.:

Created by:

Measuring point	Measuring point designation (max. 10 + 8 characters)	Transmitter type	Measuring range with gas type	Alarm 1 (*1)	Alarm 2 (*2)	Alarm 3 (*3)	Output (4-20 mA)
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
Example	Bearing 1 + left	CC28	0..100 %LEL C7H8	20 %LEL	40 %LEL	---	IOUT1
Example	Bearing 2 + right	EC28	0..25 vol.% O2	19 vol.% (U)	17 vol.% (U)	23 vol.% (O,N)	IOUT2

About (\*1) Alarm 1 standard setting: **O**=alarm exceeded; **N**=non-self-locking; **Os**=no switch-on delay; **Os**=no switch-off delay;

About (\*2) Alarm 2 standard setting: **O**=alarm exceeded; **S**=self-locking; **Os**=no switch-on delay; **Os**=no switch-off delay;

About (\*3) Alarm 3 standard setting: **O**=alarm exceeded; **S**=self-locking; **Os**=no switch-on delay; **Os**=no switch-off delay;

If other settings are desired, they must be specified as follows.

**O**=alarm exceeded; **U**=alarm not achieved; **N**=non-self-locking; **S**=self-locking; **max. 3 min.** switch-on delay; **max. 60 min.** switch-off delay

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Internal relay configuration

Project/Order confirmation no.:

Created by:

Relay	Designation (*1) (max. 20 characters)	Functionality (*2)	Mode of operation (*3)	Voting (*4)	Measuring points (*5)															
					01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
01																				
02																				
03																				
04																				
05																				
06																				
07																				
08																				
HORN																				
Example	Pre-alarm	AL1	Open-circuit	OFF	X	X														
Example	Main alarm	AL2, AL3	Open-circuit	OFF	X	X														
Example	External horn	AL2, AL3, RESET	Open-circuit	OFF	X	X														
Example	Maintenance	SRV-TRM, SRV-GMA	Open-circuit	OFF	X	X														
Example	Fault	FLT-TRM, FLT-GMA	Closed-circuit	OFF	X	X														

About (\*1) Designation: free text field for describing the relay function, e.g.: **Pre-alarm, main alarm, service, fault, external horn, internal horn, valve X, fan Y**

About (\*2) Functionality: describes the condition when relay switches, e.g.: **AL1=Alarm1, AL2=Alarm2, AL3=Alarm3, SRV-TRM=Maintenance transmitter, SRV-GMA=Maintenance GMA, FLT-TRM=Fault transmitter, FLT-GMA=Fault GMA, RESET=Horn acknowledgement during an active alarm**

About (\*3) Mode of operation: Mode of operation of the relay coil **open-circuit** or **closed-circuit**

About (\*4) Voting: **OFF**=no voting function; **2, 3, 4 of X** = At least 4 measuring points must meet the condition described under "Functionality" for switching.

About (\*5) Measuring points: **X** marks the measuring points which are relevant for the respective relay.

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