

Control units	<p style="text-align: center;">GMA 41/44</p> <p>Compact modules for easy snap-on mounting</p> <ul style="list-style-type: none"> - For 1 to 4 transmitters - Change-over contacts for all relays - 3 variably adjustable thresholds - Bus system 	<p style="text-align: center;">GMA 81/84</p> <p>Compact wall mount systems</p> <ul style="list-style-type: none"> - For 1 to 4 transmitters - Robust enclosure for wall mounting - With or without built-in alarm - Easily accessible front terminals - Protection class IP 54 	<p style="text-align: center;">GMA 101/104</p> <p>Universal controller for rack mounting</p> <ul style="list-style-type: none"> - Evaluates the signals for the connected transmitters - Alarms are triggered if pre-set thresholds are exceeded - Alarm threshold can be set variably throughout the detection range - Menu driven adjustment by keys 	<p style="text-align: center;">GMA 301/304</p> <p>Intelligent controller for rack mounting</p> <ul style="list-style-type: none"> - For 1 to 4 transmitters - Bargraph display for trends - Digital interface - Delta alarm for even quicker warning from gas hazards
Gases	Depending on transmitters: combustible/explosive, toxic gases and vapours, oxygen	Depending on transmitters: combustible/explosive, toxic gases and vapours, oxygen	Depending on transmitters: combustible and toxic gases and vapours, oxygen	Depending on transmitters: combustible and toxic gases and vapours, oxygen
Detection Ranges	Adjustable according to measurement task	Adjustable according to measurement task	Adjustable according to measurement task	Adjustable according to measurement task
Power Supply	24 V DC, 230 V (GMA 41 EC/44 EC)	24 V DC, 230 V	230 / 115 V, 50 / 60 Hz 24 V DC, battery back-up	230 / 115 VAC, 50 / 60 Hz or 24 V DC
Alarm	3 alarm thresholds, freely adjustable within the detection range	3 alarm thresholds, freely adjustable within the detection range	3 alarm thresholds, freely adjustable within the detection range	3 alarm thresholds, 3 delta alarm values, freely adjustable within the detection range
Alarm function	Exceeding / falling short, latching/non-latching, resettable / non-resettable	Exceeding /falling short, latching / non-latching, resettable / non-resettable,	Exceeding /falling short, latching / non-latching, resettable / non-resettable	Exceeding /falling short, latching, non-latching, resettable / non-resettable
Function keys	4 keys for all settings, e.g. alarm levels, calibration, function test	4 keys for all settings, e.g. alarm levels, calibration, function test	4 keys for all settings, e.g. alarm levels, calibration	4 keys for all settings, e.g. maintenance,
Dimensions	106 x 90 x 58 mm (WxHxD)	130 x 185 x 95 mm (WxHxD)	35 x 128 x 172 mm (WxHxD)	35 x 128 x 172 mm (WxHxD)
Ordering information	<p>GMA 41: Single channel, 24 V</p> <p>GMA 44 : 4 channel, 24 V</p> <p>GMA 41/44 B: 24 V, bus system</p> <p>GMA 41/44 EC: 230 V, for all transmitters with electrochemical sensors</p> <p>GMA 41/44 ECB: 230 V, bus system, for all transmitters with electrochemical sensors</p>	<p>GMA 81: Single channel</p> <p>GMA 84: 4 channel</p> <p>GMA 81/84 A: incl. alarm lamp and buzzer</p>	<p>GMA 101: Single channel, 24 V</p> <p>GMA 104: 4-channel, 24 V</p> <p>Relay module: GMA RB</p> <p>Key operated switch: GMA SW</p> <p>Casings:</p> <ul style="list-style-type: none"> - wall mount casing for 2,4,7,12,24 or 36 controllers - panel mount casings for 2,4 or 7 controllers - 19" racks for 12 controllers - Cabinets for large systems 	<p>GMA 301: Single channel, available with 230 / 115 / 24 V power supply</p> <p>GMA 304: 4 channel, available with 230 /115 /24 V power supply</p>