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GEFRAN

Controllers

Gefran 600 / 1200 / 1300

Gefran 600/1200/1300 series process controllers excel through outstanding control performance and very effective self-tuning capability. Enhanced software and hardware allow a high degree of user configurability.

It is particularly in combined heat-cool control applications where the advanced algorithms come into play, allowing an extremely narrow band between heating and cooling without causing overlap.

Features

- Choose from a wide range of software-selectable inputs, including 0-10V and 4-20mA
- •Obtain perfect control by activating autotuning via button on faceplate, making commissioning very easy.
- Switch between two setpoints (e.g. "Run" and "standby") via remote button or via button on instrument faceplate.

- Know what the controller is doing : LEDs will flash when softstart or autotuning are in progress or when a sensor fault occurs.
- Trigger pre-configured control functions (alarm reset, Auto Manual mode…) via remote switch.
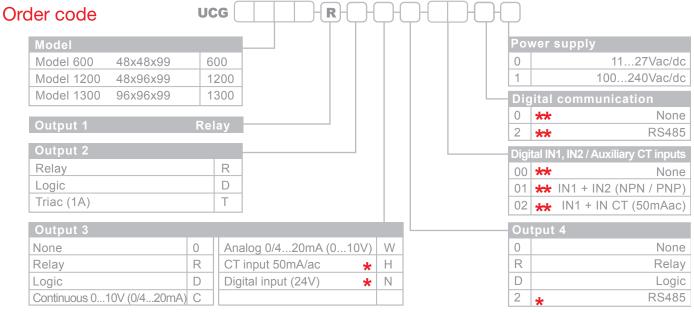
Winstrum:

Winstrum is a Windows-environment software whose main function is writing or reading all of the parameters of a single instrument via serial connection. Winstrum software is supplied in a kit with an interface cable. One end of the cable has a 9-pole connector that attaches to the RS232 port of any PC; the other end has a 3-pin connector that attaches to the instrument. At the serial communication level, Winstrum lets you choose CENCAL (proprietary) and MODBUS protocols, baud rate, parity, and the serial communication port. You can configure or analyze one instrument at a time, even if it is part of a network.

Other Winstrum functions:
- Storage of configurations (formulas) and rapid duplication.
- Running of a trend to monitor the progress of a maximum of 5 variables, with easy setting of scales and time base on the graph to be obtained.
- Printout of the graph.
- Storage of trend data, with settable time base, in a file loadable by Excel to perform all mathematical or graphic processing required.
- Graphic display of custom linearizations.
- Link from each parameter to on-line help accessible with a double click in the window of the parameter.

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Order code

UCG ☐☐☐ – **R** – ☐ – ☐ – ☐ – ☐☐ – ☐ – ☐

Model		
Model 600	48x48x99	600
Model 1200	48x96x99	1200
Model 1300	96x96x99	1300

Output 1	Relay

Output 2	
Relay	R
Logic	D
Triac (1A)	T

Output 3				
None	0	Analog 0/4...20mA (0...10V)	W	
Relay	R	CT input 50mA/ac	* H
Logic	D	Digital input (24V)	* N
Continuous 0...10V (0/4...20mA)	C		

Power supply	
0	11...27Vac/dc
1	100...240Vac/dc

Digital communication		
0	**	None
2	**	RS485

Digital IN1, IN2 / Auxiliary CT inputs		
00	**	None
01	**	IN1 + IN2 (NPN / PNP)
02	**	IN1 + IN CT (50mAac)

Output 4		
0		None
R		Relay
D		Logic
2	*	RS485

* Only for Model 600   ****** Only for Model 1200 / 1300 (please leave blank when ordering a Model 600)

Most popular configurations

stock code	Microprocessor	description
Model 600 series (48x48 mm)		
UCG-0600RR001	600-R-R-0-0-1	two relay outputs, power supply 100...240Vac/dc
UCG-0600RD001	600-R-D-0-0-1	one relay output, one logic output, power supply 100...240Vac/dc
UCG-0600RDN01	600-R-D-N-0-1	one relay output, one logic output, digital input, power supply 100...240Vac/dc
UCG-0600RDR01	600-R-D-R-0-1	two relay outputs, one logic output, power supply 100...240Vac/dc
UCG-0600RDH21	600-R-D-H-2-1	one logic -, one relay output, CT input , serial comm. RS485, power supply 100...240Vac/dc
UCG-0600RRC01	600-R-R-C-0-1	two relay outputs, one continuous 10V output, power supply 100…240Vac/dc
UCG-0600RDHR1	600-R-D-H-R-1	one logic output, two relay outputs, input from CT, power supply 100…240Vac/dc
UCG-0600RRW01	600-R-R-W-0-1	two relay outputs, one analogue output 12 bit 20mA, power supply 100...240Vac/dc
UCG-0600RRC21	600-R-R-C-2-1	two relay outputs, one continuous 0-10V output, serial RS485, power supply 100...240Vac/dc
UCG-0600RRRR1	600-R-R-R-R-1	four relay outputs, power supply 100…240Vac/dc
UCG-0600RR000	600-R-R-0-0-0	two relay outputs, power supply 11...27Vac/dc
UCG-0600RDN21	600-R-D-N-2-1	one relay output, one logic output, digital input, serial comm. RS485, power supply 100...240Vac/dc
UCG-0600RDNR1	600-R-D-N-R-1	two relay +1 logic outputs, digital input, power supply 100...240Vac/dc
Model 1200 series (48x96 mm)		
UCG-1200RR00001	1200-R-R-0-0-00-0-1	two relay outputs, power supply 100…240Vac/dc
UCG-1200RD00001	1200-R-D-0-0-00-0-1	one relay output, one logic output, power supply 100...240Vac/dc
UCG-1200RDR0001	1200-R-D-R-0-00-0-1	two relay outputs, one logic output, power supply 100…240Vac/dc
UCG-1200RRR0001	1200-R-R-R-0-00-0-1	three relay outputs, power supply 100…240Vac/dc
UCG-1200RDR0021	1200-R-D-R-0-02-0-1	two relay outputs, one logic output, digital input 50mA, power supply 100…240Vac/dc
UCG-1200RDRR001	1200-R-D-R-R-00-0-1	three relay outputs, one logic output, power supply 100…240Vac/dc
UCG-1200RRW0001	1200-R-R-W-0-00-0-1	two relay outputs, one analogue output 12 bit 20mA, power supply 100...240Vac/dc
UCG-1200RDR00101	1200-R-D-R-0-01-0-1	two relay outputs, one logic output, digital input NPN/PNP, power supply 100…240Vac/dc
UCG-1200RRRR0200	1200-R-R-R-R-02-0-0	four relay outputs, digital input 50mA, power supply 11…27ac/dc
Model 1300 series (96x96 mm)		
UCG-1300RR000001	1300-R-R-0-0-00-0-1	two relay outputs, power supply 100…240Vac/dc
UCG-1300RD000001	1300-R-D-0-0-00-0-1	one relay output, one logic output, power supply 100...240Vac/dc
UCG-1300RDR00001	1300-R-D-R-0-00-0-1	two relay outputs, one logic output, power supply 100…240Vac/dc
UCG-1300RRR00001	1300-R-R-R-0-00-0-1	three relay outputs, power supply 100…240Vac/dc
UCG-1300RDR00201	1300-R-D-R-0-02-0-1	two relay outputs, one logic output, digital input 50mA, power supply 100…240Vac/dc
UCG-1300RDRR0001	1300-R-D-R-R-00-0-1	three relay outputs, one logic output, power supply 100…240Vac/dc
UCG-1300RRW0001	1300-R-R-W-0-00-0-1	two relay outputs, one analogue output 12 bit 20mA, power supply 100...240Vac/dc
UCG-1300RDR00101	1300-R-D-R-0-01-0-1	two relay outputs, one logic output, digital input NPN/PNP, power supply 100…240Vac/dc
Winstrum software		
UCG-CFG1108200		PC configurations kit (RS232 cable and CD)

unitemp reserves the right to make any kind of design or functional modification without prior notice.

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