unitemp ®

GEFRAN

Indicators with Alarm

Gefran 40A / 40B / 40T / 40F

Gefran 40 series indicators offer exceptional versatility due to the wide selection of sensor input options, functions and hardware configuration.

Input type, alarm types and the function of the keys on the faceplate are software selectable. Retransmission output and digital communication facilitate easy interface with supervisory systems and SCADA applications.

Input configuration is software selectable. There are four indicator input options to choose from:

40A series: 20mAac, 50mAac 200mAac, 1Aac, 5Aac, 2Vac, 20Vac, 200Vac, 500Vac

40B series: strain gauge (autoranging between 1.5 to 3.3mV/V), potentiometer

40T series: Thermocouples (J,K,T,R,S…), RTD (Pt100, Pt1000…), thermistors, analog 0(4)-20mA, 0(2)-10VDC

40F series: Frequency, inductive, capacitive (Namur, 2/3 wire), encoder, microswitch, 30-500Vac

Features

- Choose from a wide range of software selectable inputs.
- Connect your input device (4-20mA transmitter, loadcell…) directly the 24V/10V on-board supply.
- Reset maximum/minimum register or "zero" the input via keys on the faceplate.
- Trigger pre-configured functions via remote switch.
- Use the "flash" function to read product and freeze during gaps on continuous production lines
- For system testing during commissioning use the keys on the faceplate to activate the alarm outputs.

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.

unitemp ®

Order code

```
40 [ ] [ ] 4 [ ] [ ] [ ] [ ] [ ] [ ] [ ]
```

Input	
0-5Aac / 0-500Vac	A
Strain gauge / potentiometer	B
Frequency	F
Temperature / 4-20mA, 0-10V	T

Size	
48mm x 48mm	48
96mm x 48mm	96

Transmitter Power Supply	
None (for RTD, PTC and NTC input)	00
1,2Vdc for potentiometer ** *	01
10 Vdc for strain gauge	10
15Vdc for transmitter **	15
24Vdc, 50mA	24
All ****	99

Out 1, Out 2	
Relay, Relay	2 R
Relay, Relay	R R
Relay, Logic	R D
Triac, Absent	T O

Out 3, Out 4 **	
None	0 0
Relay, Absent	R 0
Relay, Relay	R R

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

Digital communication **	
0	None
2	RS485

Digital input / Retransmission output **	
0	None
1	Digital input
2	*** Analogue output 0... 20mA (0... 10V)
3	*** Both

* R77 for potentiometer input (Rinput > 10Mohm)
** Not available in case of Out 1, Out 2 = 2R
*** Output 4 relay alternative to the retransmission output
**** Selectable (standard 24Vdc)

Most popular configurations

stock code	Model	description
Model 40T		
UCG-40T940-2R000	40T96-4-00-2R-00-0-0-0	4 digit display, 2 relay output,switch PSU 11 to 27Vac/dc,- NEW pin conf.
UCG-40T940-2R001	40T96-4-00-2R-00-0-0-1	4 digit display, 2 relay output,switch PSU 100 to 240Vac/dc,- NEW pin conf.
UCG-40T944-2R001	40T96-4-24-2R-00-0-0-1	4 digit display, 2 relay output,switch PSU 100 to 240Vac/dc,- NEW pin conf.
UCG-40T944RR031	40T 96 4 24 RR 00301	4-digit,2 relay ,24Vdc transmitter supply, digital input, 4-20mA re-transmission
UCG-40T944RRR31	40T 96 4 24 RR R0301	4-digit,3 relay ,24Vdc transmitter supply, digital input, 4-20mA re-transmission
Model 40B		
UCG-40B941RRR31	40B 96 5 10 RR R0301	5 digit display,3 relay output, strain gauge input, 10V transd.supply, DIG. INP., switch PSU
Model 40A		
UCG-40A940RR001	40 A 96 4 00 RR 0 0 1	2 relay output, 4 digit display,switching PSU 100…240Vac/dc
Model 40F		
UCG-40F944RR001	40F 96 4 24 RR 00 1	4 digit display, 2 relay output, 24V transd.supply,, switch PSU 100..240Vac
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.