

### FEATURES

- ❑ Dual channel
- ❑ Microcontroller based
- ❑ Compact design with 51 segment bar
- ❑ Universal input
- ❑ Bright Red LED display for excellent visibility
- ❑ Programmable range
- ❑ Configurable alarms
- ❑ Bargraph and digital display



BG102 is microcontroller based Bargraph Indicator designed to accommodate Dual Process Parameter monitoring. It is easy to use and extremely compact. This indicator displays the process variable on a 51 segment bar and digital display. It has the provision for alarm output using relays and input calibration through front keys (no internal pots to adjust). The design offers a wide range of options as sensor open protection, security, hysteresis, auto diagnosis facility and offset adjustment. These bargraph indicators are suited to applications in process control and industrial instrumentation, including Electrical Power Plants, Chemical, Water and Sewerage Processing, Oil/Gas Distribution, Metals/Minerals, Pulp/Paper, Pharmaceutical Processes, agricultural as well as many OEM applications.

### SPECIFICATIONS:

Input signal	:	Universal Input: - Field selectable from the following: <ul style="list-style-type: none"> <li>▪ J, K, S type of Thermocouple</li> <li>▪ PT100 RTD</li> <li>▪ 4 – 20 mA</li> <li>▪ 0/1 – 5 V DC (Refer Input Table)</li> </ul>
Common mode rejection	:	120 dB@ 50Hz
Normal mode rejection	:	60 dB@ 50Hz
Open sensor indication	:	Available with TC, RTD & linear inputs
Accuracy	:	+/- 0.1% of FS, +/- 1 digit
Power supply	:	90 – 265 V AC (SMPS)
Display	:	<ul style="list-style-type: none"> <li>▪ Dual 3 ½ digit, 7.6 mm, 7 segment Red LED</li> <li>▪ Dual 51 segment Red LED Bar</li> <li>▪ 5 no. Individual discrete LEDs</li> </ul>
Output options	:	2 relays
Relay rating	:	5A, 230V AC resistive
Environmental	:	Temperature: 0 to 55 Deg.C Humidity: Up to 95% RH (non condensing)

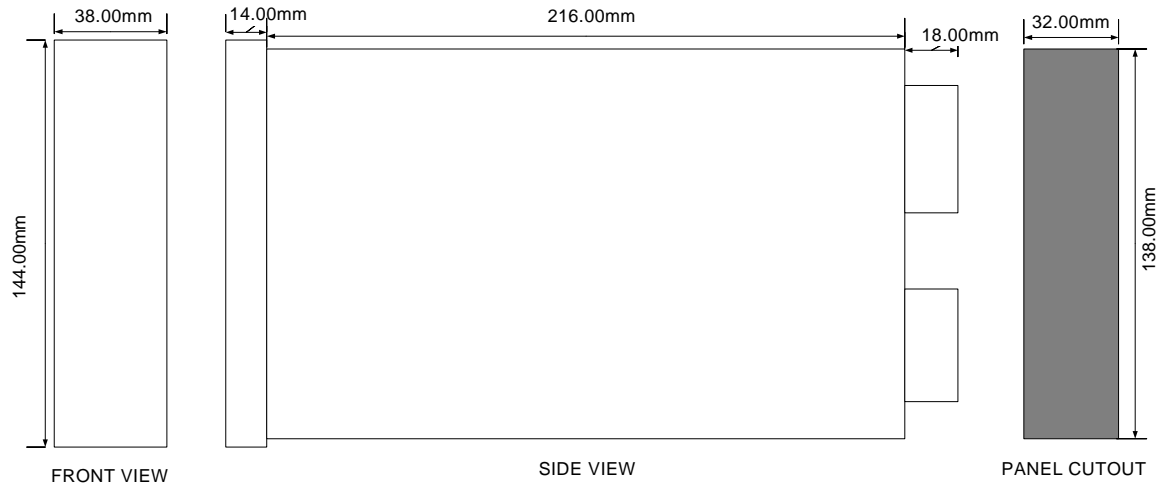
**contd. specifications:**

Enclosure	:	MS powder coated with plastic ABS bezel
IP rating	:	IP55 (Front panel)
Dimensions	:	External: 38(W) × 144(H) × 234(D) mm
Panel cutout	:	32(W) × 138(H)
Weight	:	0.7 kg (approx.)

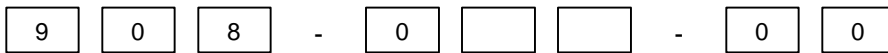
**INPUT TABLE:**

INPUTS	TYPE	RANGE
Thermocouple	J	0 to 600 Deg. C
	K	0 to 1200 Deg. C
	S	0 to 1766 Deg. C
RTD	PT100	0 to 600 Deg.C
mA DC	4 – 20 mA	} -999 to +1999 Field programmable
V DC	1 – 5 V	
	0 – 5 V	
Others	Consult factory	

**EXTERNAL DIMENSIONS:**



**ORDERING CODE:**



TYPE OF INPUT:  
 0 = Universal input  
 X = Others (consult factory)

OUTPUT:  
 0 = With Relay  
 1 = Without Relay

**SAMPLE CODE ORDER:**  
**908-001-00**  
 Universal input, without relay