



user instructions

OPERATING AND SAFETY INSTRUCTIONS

For

DIGITAL TEMPERATURE MONITOR WITH ALARM

Model: 108A TOW-MA1



Specifications:

Ambient Temperature:
Thermocouple type:

77°F/25°C +/-5°
J

Operating Environment:
32 to 100°F/0 to 37°C

0 to 90% relative humidity

Set-Up

Plug the power cord from the control into a grounded outlet. The power switch for the control is located on the front of the unit. Connect the type J thermocouple to the input connector located on the back of control. The alarm function is set to the off state after manufacturing testing is completed. To setup alarm functionality, follow the instructions in alarm setup.



Operating the Unit:

Once the power switch is engaged, the control will begin displaying the temperature.

Setup High Temperature Alarm

Temperature exceeds the set point temperature entered by the user the alarm will sound.

How to Set:

1. Turn power switch to the **ON** position.
Press and hold the **SET** button for approx. 8 seconds.
2. When **0** appears on display release the **SET** button.
3. Press and release the **SET** button. **SP** will appear on display.
4. Press the **DOWN** arrow until **A3** appears on display.
5. Press and release the **SET** button to access A3 settings.
6. Select **HI** setting by scrolling through the selectable options with the **UP/DOWN** arrow buttons.
7. When **HI** appears on the display, Press and release the set button.
8. To exit program menu: (2) options
 - Press and hold the **DOWN** button, and then press and release the **SET** button.
 - Do nothing for approx. 1 minute and control will automatically exit setup menu.

High Alarm Temperature Set Point

How to Set:

1. Display showing current temperature, control is in regular operation mode.
2. Press and release the **SET** button and **SP** will appear on display.
3. Press and release the **SET** button.
4. Set alarm temperature with the **UP/DOWN** arrow buttons.
5. 0° to 999°C is the selectable alarm set point value.
6. Press and release the **SET** button to save temperature value.
7. Return to main screen, Press and hold **DOWN** arrow and press and release the **SET** button.

Setup Low Temperature Alarm

Sensed temperature is less than the set point temperature entered by the user causing the alarm to activate.

How to Set:

1. Turn power switch to the **ON** position.
Press and hold the **SET** button for approx. 8 seconds.
2. When **0** appears on display release the **SET** button.
3. Press and release the **SET** button. **SP** will appear on display.
4. Press the **DOWN** arrow until **A3** appears on display.
5. Press and release the **SET** button to access A3 settings.
6. Select **LO** setting by scrolling through the selectable options with the **UP/DOWN** buttons.
7. When **LO** appears on the display, Press and release the set button.
8. To exit program menu: (2) options
 - Press and hold the **DOWN** button, and then press and release the **SET** button.
 - Do nothing for approx. 1 minute and control will automatically exit setup menu.

Low Alarm Temperature Set Point

How to Set:

1. Display showing current temperature, control is in regular operation mode.
2. Press and release the **SET** button and **SP** will appear on display.
3. Press and release the **SET** button.
4. Set alarm temperature with the **UP/DOWN** arrow buttons.
5. 0° to 999°C is the selectable alarm set point value.
6. Press and release the **SET button** to save temperature value.
7. Return to main screen, Press and hold **DOWN** arrow and press and release the **SET** button.

Setup Menu - Glas-Col Default Settings:

Parameter	Description	Glas-Col Factory Default
SP	Set Point	50
r0	Differential or Hysteresis	1
r1	Lower Value Set Point	0
r2	High Value Set Point	999
d0	Higher Value Set Point	HT
c0	Min. Stop Time for Load	1
c2	Load Status During Probe Error	Off
P1	Ambient Probe Adjustment	0
P5	Ambient Probe Type	tcJ
P6	Probe Response	0
H5	Parameter Access code	0
A0	Alarm 1 Hysteresis	1
A1	Alarm 1 Threshold	0
A2	Alarm 1 Exclusion Time	0
A3	Alarm 1 Configuration	HI
A4	Alarm 2 Hysteresis	1
A5	Alarm 2 Threshold	0
A6	Alarm 2 Exclusion Time	0
A7	Alarm 2 Configuration	off

Limited Warranty

See the current Glas-Col warranty policy located under the General Sales Policy on the Glas-Col website at www.glascol.com.

Glas-Col,LLC

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