2 How To Connect

We will now explain how to connect the signal input cable.

1. Thermistor input
   - Connect the 4ch thermistor sensor (GS-103AT-4P or GS-103JT-4P) or each split separately to the +ve.
   - Make sure not to input voltage or electric current, as this can cause damage.

2. Input terminal
   - No. 1 to No. 4: High-voltage terminal (terminal input on the input signal’s high-voltage side)
   - Low-voltage terminal (terminal input on the input signal’s low-voltage side)
   - Loading the input voltage exceeding the specifications, the circuit at the input part will break down. Please don’t input it.
   - Logic / Pulse input
     - <INPUT terminal (+) / GND terminal interval>
     - Maximum input voltage: DC 24V
     - Input Mode: Off

3. Logic / Pulse input
   - Logic / Pulse input condition settings (4ch)

4. 4ch Thermistor Terminal
   - GS100 main module
   - 4ch Thermistor input
   - We will now explain how to connect the signal input cable.
   - High-voltage terminal (terminal input on the input signal’s high-voltage side)
   - Low-voltage terminal (terminal input on the input signal’s low-voltage side)
   - Logic / Pulse input
     - <INPUT terminal (+) / GND terminal interval>
     - Maximum input voltage: DC 24V
     - Input Mode: Off

5. Connector
   - Open collector, voltage input

6. Start-up and operation
   - The module starts when the [START/STOP] key on this module is pressed.
   - The module can be stopped with the trigger source conditions.

7. Module start-up
   - Press the [ENTER] key while in standby state to change to the free-running screen.

8. Recognition of module types
   - GL100 and GS103

9. Alarm active
   - Set the alarm information. The parameters will vary depending on the setting range. Please set the alarm level.

10. Recording
   - (1) Setting screen operation
       - Press the [MENU] key on the free-running screen to go to the setting screen.
       - <Alarm setting>
         - Set the item with the directional keys (△, ▽) and press the [ENTER] key.

11. Temperature unit setting
    - From the OTHER 2 screen, press the switch between temperature displays in Celsius (°C) or Fahrenheit (°F).

12. Digital temperature data
    - Sampling interval: [0.1s, 1.0s, 5.0s, 10.0s, 20.0s, 30.0s, 1s, 2s, 5s]
    - Measurement range: 
      - High-voltage range: Type K, J: Approx. -40 to 120°C
      - Low-voltage range: Type A: Approx. -40 to 105°C
      - Type L: Approx. -40 to 120°C

13. Status change settings
    - The temperature data that has been written to the data is displayed.

14. Change the settings
    - Press the [QUIT] key (approx. three seconds) and will be switched to the standby display.

15. Alarm data recording
    - Set the Sampling and Capture Mode those will be recorded to the data recording.

16. Power supply
    - Analog input and output (One line ground input)

17. Measuring accuracy
    - Type K: ±0.5°C (Full Scale)
    - Type J: ±0.7°C (Full Scale)
    - Type A: ±0.4°C (Full Scale)

18. Measurement range of thermistor sensor
    - Type A: -40 to 105°C (GS-103AT-4P)
    - Type L: -40 to 120°C (GS-103LT-4P)
    - Type J: -40 to 120°C (GS-103JT-4P)

19. Type L Thermistor Sensor
    - Available for the two types of thermistors (option).

20. Trigger setting
    - Stop: The recording will stop after pressing the [START/STOP] key.