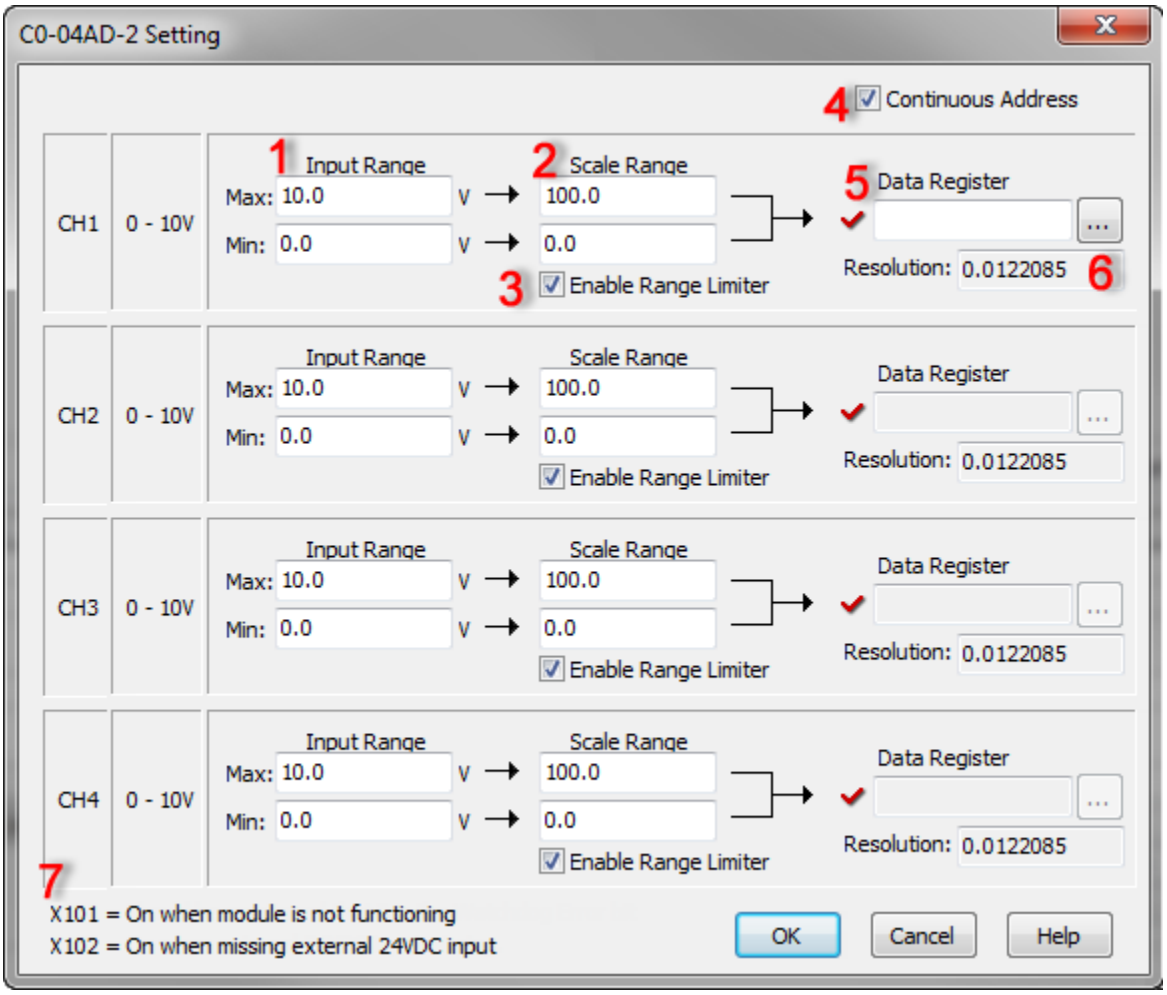
**C0-04AD-2 Settings**

## Description

The C0-04AD-2 Setting dialog supports the customer to set up the scaling for the analog input values and assign DF memory addresses to store the scaled analog input values.

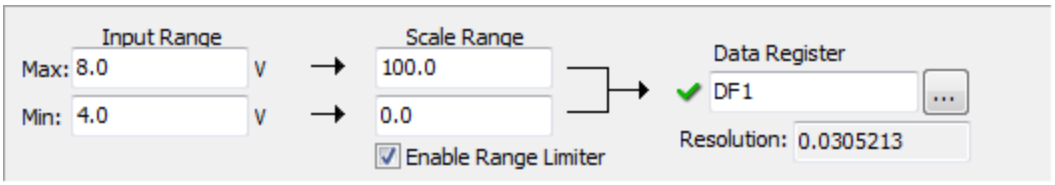


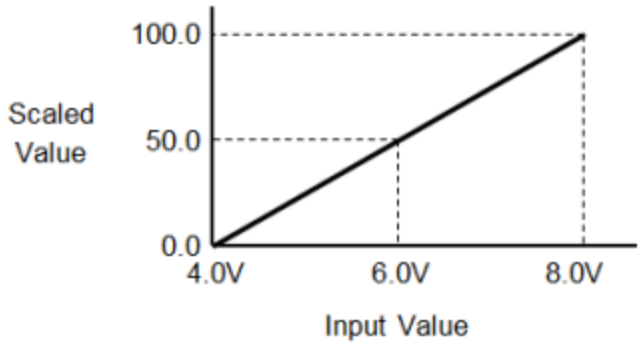

Graphic has been edited to fit Help File and may not be identical to actual graphic.

**1 Input Range:** Enter the maximum and minimum Input Range to scale.

**2Scale Range:** Enter the maximum and minimum scaled values.

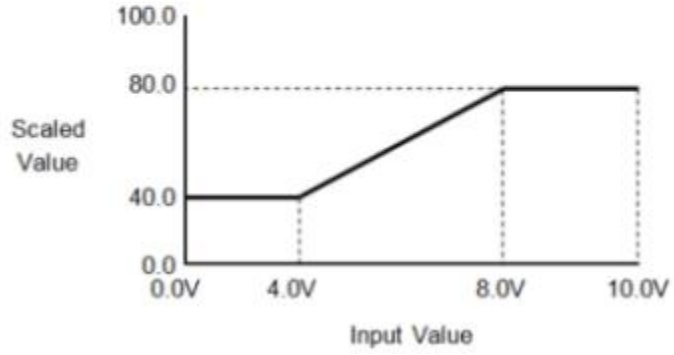
In the following example, the **Input Range** is set to 4.0 - 8.0V and the **Scale Range** is set to 0.0 - 100.0. This means input voltage 4.0V will be converted to 0.0 and input voltage 8.0V will be converted to 100.0. When input current is 6.0V, 50.00 will be entered in DF1.



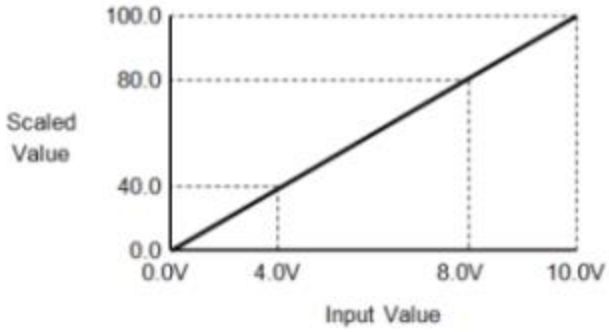




**3Enable Range Limiter:** By checking. this option, the analog values that are outside of the **Input Range** will be adjusted to the minimum or maximum value of the **Scale Range**.

1. **Enable Range Limiter** is **ON**.


2. **Enable Range Limiter is OFF.**


**4 Continuous Address:** If you want to assign continuous DF memory addresses to store the scaled analog input values, please check this option. In this case, you just need to assign a DF memory address to CH1. The DF memory address will be the starting address of those continuous DF memory addresses.

**5 Data Register:** Enter a DF memory address to store the scaled analog value. In the CLICK PLC, all analog data are handled as floating point numbers. So you can select only DF memory addresses.

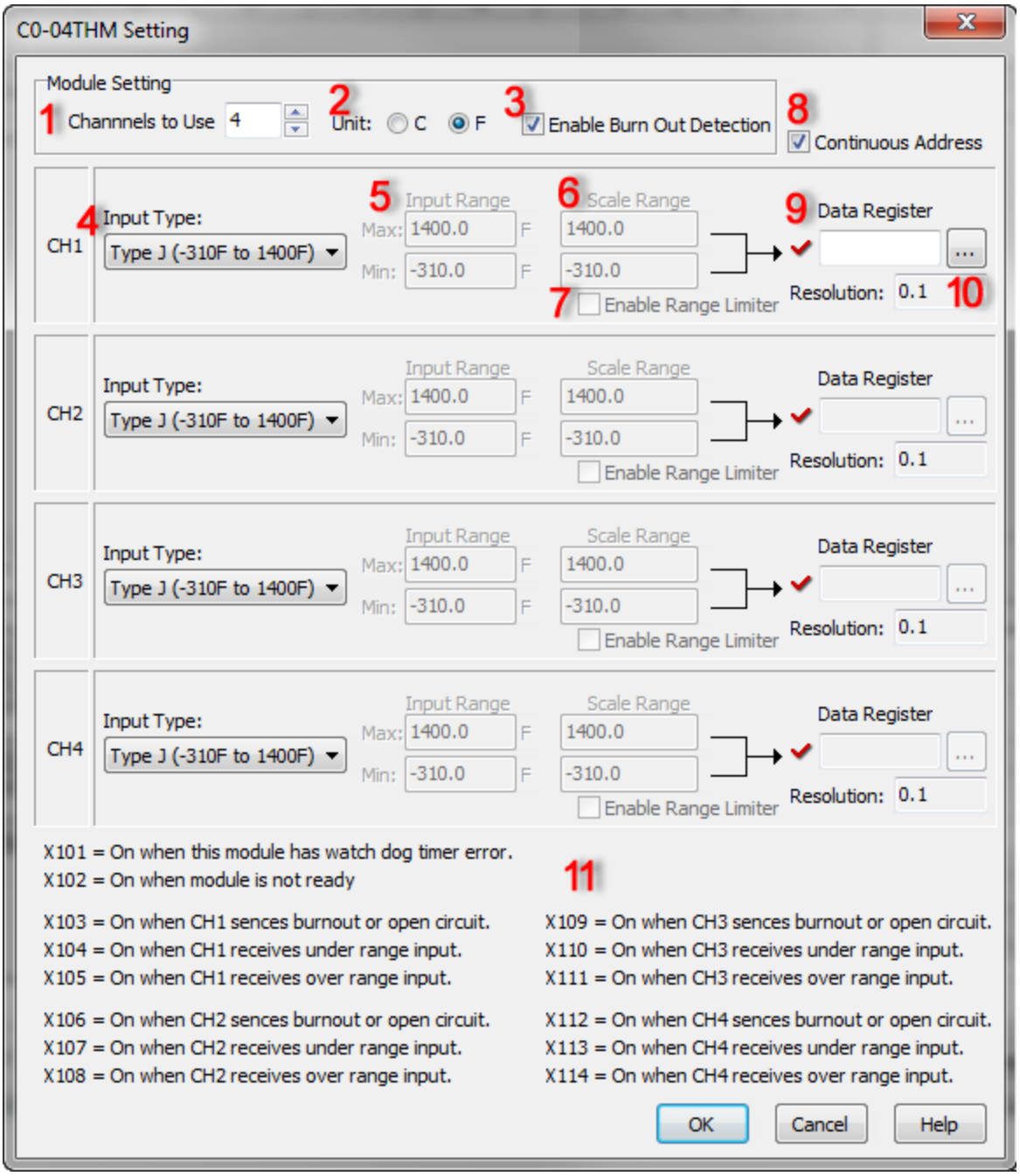
**6 Resolution:** The CLICK Software automatically calculates the resolution of the scaled data according to the bit resolution of the analog input and the scaling setup, and displays the value here.

**7 X bit Addresses:** You can use these X bit addresses to monitor the status of this analog input module.

**C0-04THM Settings**

**Description**

The C0-04THM Setting dialog supports the customer to select the thermocouple sensors to measure temperature and/or voltage input ranges, and assign DF memory addresses to store the analog input values.




Graphic has been edited to fit Help File and may not be identical to actual graphic.

**1 Channels to Use:** Enter the number of channels you actually use.

**2 Unit:** Select the temperature unit between C (Celsius) and F (Fahrenheit) for the RTD input type.

**3 Enable Burn Out Detection:** When this option is enabled, this C0-04THM module reports if there is any burnout. You can check which input channel has burnout by monitoring the X bit

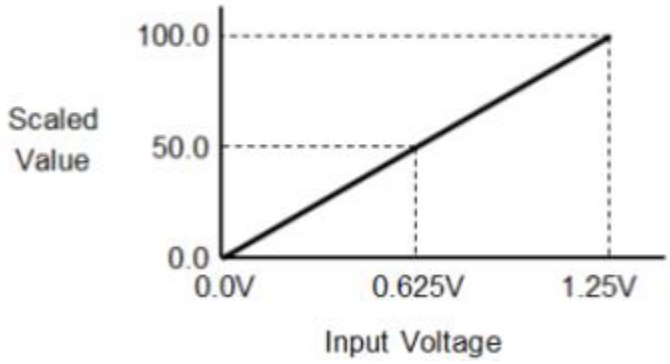
assigned to each input channel. Those X bits are listed on the bottom of this setup window. Disable this option if your calibrator doesn't like the output current from the C0-04THM module to detect burnout.

**4 Input Type:** Select a thermocouple sensor or voltage input range from the list.

**5Input Range:** Enter the maximum and minimum Input Range to scale. (This option is available when you select a voltage input range as the Input Type.)

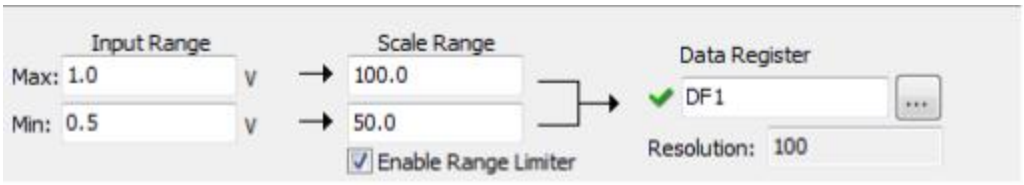
**6 Scale Range:** Enter the maximum and minimum scaled values. (This option is available when you select a voltage input range as the Input Type.)

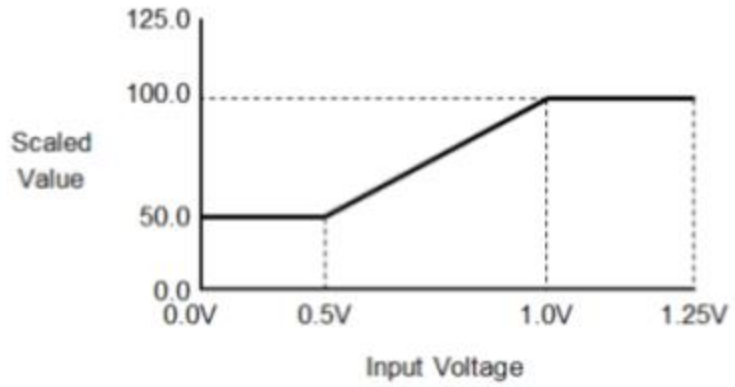
In the following example, the **Input Range** is set to 0.0 – 1.25V and the **Scale Range** is set to 0.0 - 100.0. This means input voltage 0.0V will be converted to 0.0 and input voltage 1.25V will be converted to 100.0. When input voltage is 0.625V, 50.0 will be put in DF1.

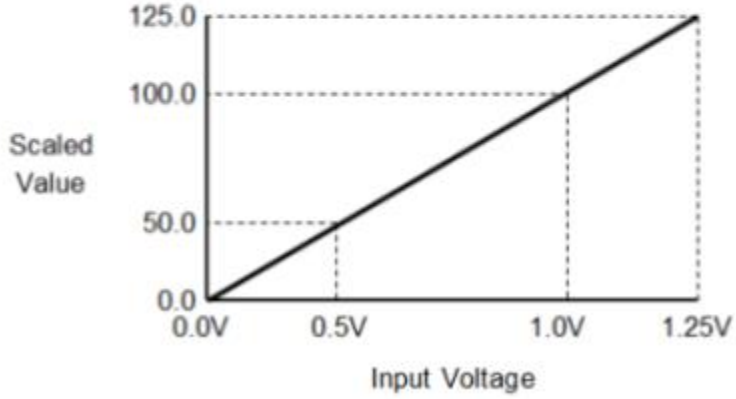

**7 Enable Range Limiter:** By checking this option, the analog values that are outside of the **Input Range** will be adjusted to the minimum or maximum value of the **Scale Range**. (This option is available when you select a voltage input range as the Input Type.)

**1. Enable Range Limiter is ON.**




**2. Enable Range Limiter is OFF.**


**8 Continuous Address:** If you want to assign continuous DF memory addresses to store the scaled analog input values, please check this option. In the case, you just need to assign a DF memory address to CH1. The DF memory address will be the starting address of those continuous DF memory addresses.

**9Data Register:** Enter a DF memory address to store the scaled analog value. In the CLICK PLC, all analog data are handled as floating point numbers. So you can select only DF memory addresses.

**10Resolution:** The CLICK software automatically calculates the resolution of the scaled data according to the bit resolution of the analog input and the scaling setup, and display the value here.

**11 X bit Addresses:** You can use these X bit addresses to monitor the status of this analog input module.