



5K CARRIER TYPE 46A THERMISTOR TABLES

Dave Bohlmann, 23 May 2018

OVERVIEW

These two tables can be used with Carrier 5K thermistor that match what they call their 46A resistance-to-temperature table.

These tables have limits of -25 to 225 F.

INPUT CONFIGURATION

Use one of the two tables described below, and configure your controller input to be 10 Kohms. Set multiplier to 1 and offset to 0. Use the proper table for the desired units:

- `carrier-5k_use-10k-pullup_Fahrenheit.csv` **for Fahrenheit**
- `carrier-5k_use-10k-pullup_Celsius.csv` **for Celsius**

RESISTANCES

You should double check that this table is the correct one for the 5 Kohm Carrier sensor you are using. If your sensor is marked as the "Table 46A", then the device tables should correct. Also, the four key resistances below can be checked with a table in the datasheet for your sensor. These should match within 100 ohms for all four:

- 0 F = 42,679 ohms
- 32 F = 16,346 ohms
- 77 F = 4,976 ohms
- 100 F = 2,898 ohms