

Introduction

This packing list contains information about the supplied INPUT/OUTPUT connector label, which can be used to properly identify OUTPUT connection polarity when using the Model 2510/2510-AT with certain TECs.

Output current convention

The Models 2510 and 2510-AT assume that a positive output current is heating current. However, industry convention is that a positive TEC current is a cooling current. For proper operation with such TECs, it is recommended that you install the supplied label and reverse TEC connections as discussed below.

Label installation

To install the label, remove the backing and then install the label immediately above the INPUT/OUTPUT connector as shown in Figure 1 below. Be sure to position the label so that the terminals are correctly identified.

TEC connections

For positive TEC current cooling convention, connect the TEC positive terminal to the OUTPUT TEC+ terminal shown on the label (and OUTPUT S+ terminal when using 4-wire connections). Connect the TEC negative terminal to the OUTPUT TEC- terminal (and OUTPUT S- terminal when using 4-wire connections).

Figure 1
INPUT/OUTPUT label installation



