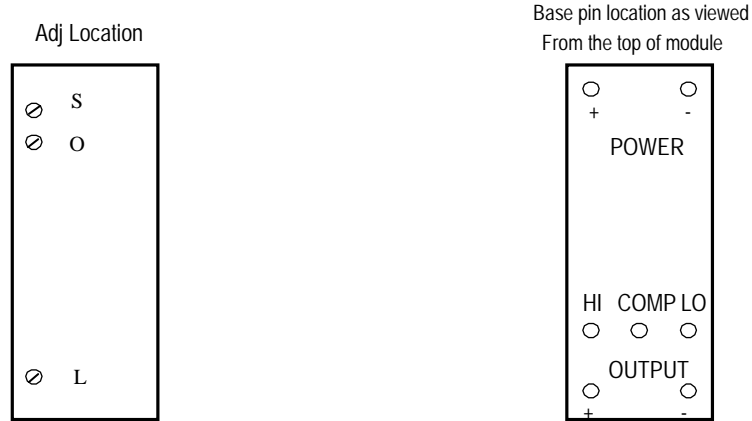


TA 4003
3 Wire RTD or Potentiometer Converter

General Adjustment and pin/terminal location as viewed from top of Module



DESCRIPTION

The calibration procedure of the TA 4003 consists of setting offset (O) and span (S) adjustments for desired Input and Output signal values. The (L) adjustment is a "factory Only adjustment" used on some modules having current outputs.

All adjustments are fifteen turn potentiometers. Insert a small Screwdriver through the red GLYPTOL and/or potting material to the underlying "slot" slightly below the surface of the module.

PROCEDURE- - (3 Wire RTD Devices)

1. Connect a precision resistance substitution box between the High and Low input terminals.
2. Connect a jumper from the Comp input terminal to the Low side of the resistance substitution box.
3. Set the resistance substitution box to the value which corresponds to the zero scale temperature and adjust the Offset (O) potentiometer for a zero-scale output signal.
4. Set the resistance substitution box to the value which corresponds to the full-scale temperature and adjust the Span (S) potentiometer for a full-scale output signal.
5. Repeat steps 3 and 4 compensate for interaction between the Span and Offset adjustments.

CALIBRATION IS COMPLETE

PROCEDURE -(potentiometer)

1. For maximum accuracy, equipment should be installed in its permanent location with the interconnecting wiring which will be used with the system.
2. Set the potentiometer to zero scale and adjust the Offset potentiometer for a zero scale output signal.
3. Set the potentiometer to full scale and adjust the Span potentiometer for a full scale output signal.
4. Repeat step 2 and 3 to compensate for interaction between the Offset and Span adjustments.

CALIBRATION IS COMPLETE

Seal openings of face of module with a drop of red GLYPTOL.

NOTE: ()4000 adjustment locations may vary from those shown.