



SEL-2600D Guideform Specification

RTD (Resistance Temperature Detector) monitoring shall be provided by a microprocessor-based module with the following characteristics:

Module shall be capable of acquiring RTD data from as many as 12 RTDs.

Module shall accept input from any of four different types of three-wire RTDs (100-ohm platinum, 100-ohm nickel, 120-ohm nickel, and 10-ohm copper) on every RTD input terminal.

Module shall accept a single contact input.

Module shall require no configuration settings.

Module shall perform internal self-tests on the power supply and RTD inputs.

Module shall transmit over fiber optics all measured RTD values, input contact status, and self-test status at less than 750 ms intervals over a distance of as far as 500 meters.

Module shall transmit valid RTD data within 25 seconds after power up.

Module shall secure data communications using CRC-16 (Cyclical Redundancy Check) error detection.

Module shall be equipped with a fiber-optic port (V-pin option or ST option).

Module shall use LEDs (Light Emitting Diodes) to indicate device self-test status, input contact status, and fiber port transmit status.

Module shall be capable of operating within specifications over a temperature range of -40° to $+85^{\circ}\text{C}$ (-40° to $+185^{\circ}\text{F}$).

Module shall be powered by 125 Vdc.

Module shall mount to a flat surface and have package dimensions not exceeding 241.3 mm x 117.8 mm x 63.5 mm (9.5 in x 4.625 in x 2.5 in).

