

# Appendix B. Glossary

## ABBREVIATIONS

<b>Delta R (ΔR)</b>	Resistance differential
<b>Delta T (ΔT)</b>	Temperature differential
<b>DMM</b>	Digital Multimeter
<b>FCI</b>	Fluid Components Intl
<b>HTR</b>	Heater
<b>LED</b>	Light Emitting Diode
<b>RA</b>	Repair Authorization
<b>RTD</b>	Resistance Temperature Detector

## DEFINITIONS

<b>Active RTD</b>	The sensing element part that senses the fluid flow rate or wet/dry condition.
<b>Balance</b>	A number that is used to balance or match the active and reference RTDs when the heater is off.
<b>Control circuit</b>	The portion of the flow switch that conditions, converts, and scales the sensing element signal.
<b>Heater (HTR)</b>	The sensing element part that heats the active RTD.
<b>Local enclosure</b>	The enclosure attached to the sensing element.
<b>Reference RTD</b>	The sensing element part that senses the fluid temperature.
<b>Resistance differential Delta -R (ΔR)</b>	The sensing element signal.
<b>Resistance Temperature Detector (RTD)</b>	A sensor whose resistance changes proportionally to detector temperature changes.
<b>Sensing element</b>	The portion of the flow switch that contains the thermowells, RTDs, and produces a signal with a defined relationship to the flow rate or wet/dry condition.
<b>Temperature differential Delta -T (ΔT)</b>	The difference in temperature between the active and reference RTDs.
<b>Thermowell</b>	The sensing element part that protects the heater and RTD's from the process fluid.

