

What is deadband?

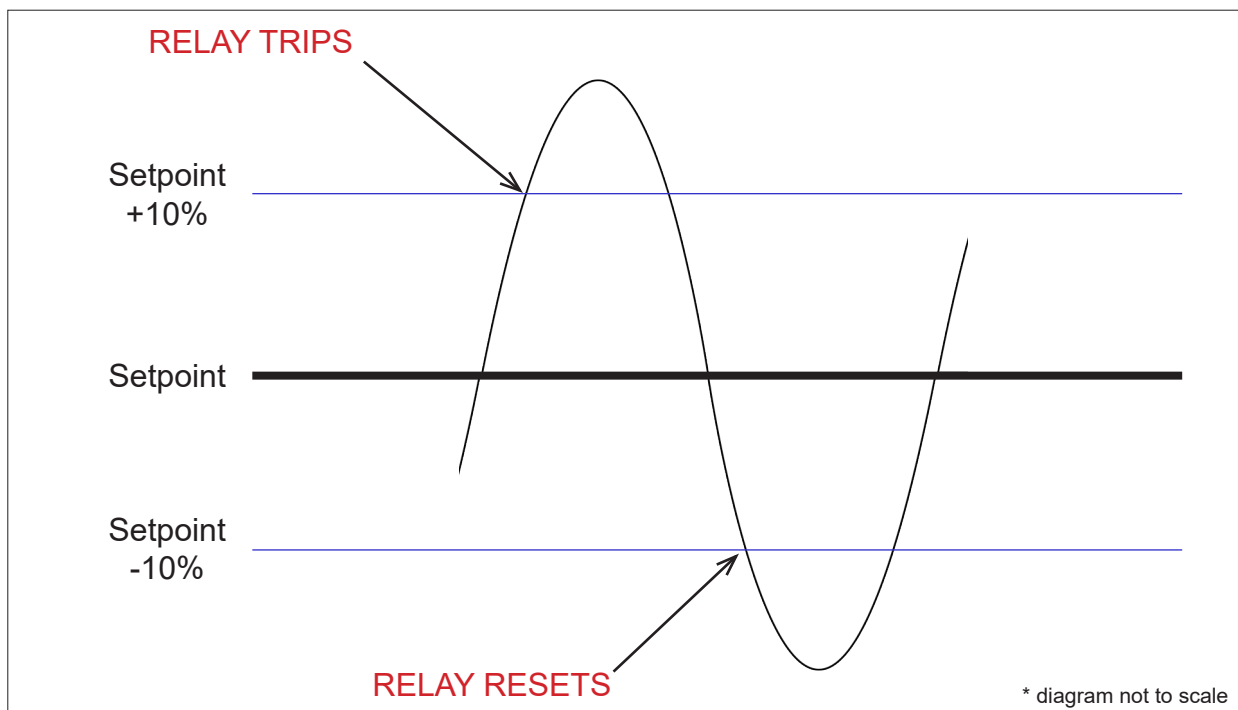
API TECH SUPPORT - TS1019

DEFINITION

Deadband is the range through which an input can be varied without initiating an observable response. Deadband is usually expressed in percent of span.

EXAMPLE

A 20% total deadband is applied to the setpoint of a monitored parameter. The relay will trip and reset to its untripped state as indicated in the following graph:



20% TOTAL DEADBAND



Any digital unit with setpoints, relays or “alarm trips” may serve the function described here. The Cecom and API engineering teams can help you determine how best to set up your process for alarming using our smart technology.