


















Proportional+Integral+Derivative (Enhanced) Faceplate Help








Status Indicators

- | | |
|---|--|
|  Invalid configuration |  Alarm Inhibit (Suppressed or Disabled) |
|  Data quality bad / failure |  Maintenance Bypass active |
|  Data quality degraded / uncertain |  Device in Simulation or Test |
|  Device not ready to operate |  PV Within SP Deadband (no control action occurs) |
|  Value clamped to min/max |  Manual Loop mode |
|  Value is being initialized |  Cascade Loop mode |
|  Auto Loop mode | |





Deviation Indicators

- | | |
|--|--|
|  High Deviation exceeded |  Low Deviation exceeded |
|  High-High Deviation exceeded |  Low-Low Deviation exceeded |

Command Source Indicators

- | | |
|--|--|
|  Device in Program |  Device in Operator |
|  Device in Maintenance |  Device in External |
|  Override |  Hand (Local) |
|  Device not operating under normal command source | |

Interlocks

- | |
|--|
|  One or more conditions not OK |
|  Non-Bypassed conditions OK |
|  All Conditions OK, Bypass Active |
|  All Conditions OK, Bypass |

Commands



Request Cascade Loop Mode. Available when in Operator Control & Cascade Command Source Enabled



Request Auto Loop Mode. Available when in Operator Control



Request Manual Loop Mode



Request 'Normal' Loop Mode. Available when in Operator Control and "Normal" Command Source Enabled

Bumpless Program/Operator Transitions

When checked, Operator values for CV, SP, and Ratio will track their corresponding Program values in Program Command Source. Also, Program values for CV, SP, and Ratio will track Operator entered values in Operator or Maintenance Command Source. When not checked, Program and Operator values can be changed independently.

Alarms

Loop Failure Alarm

The Loop Failure Alarm is triggered when a controller hardware or communication fault is detected for the PV, CV, or SP.

Interlock Trip Alarm

The Interlock Trip Alarm is triggered when an interlock condition causes the output to be held at the current value or driven to a configured value.

Deviation Alarms (High-High, High, Low, and Low-Low Deviation)

These alarms trigger when the difference between the scaled Process Variable (PV) and the Setpoint (SP) exceeds the corresponding Deviation Threshold.

Alarm Icons



Urgent



High



Medium



Low



Out of Alarm Ack Required

Alarm Commands



Acknowledge Alarm. This command acknowledges an alarm that has been configured with "Ack Required".



Acknowledge and Reset all alarms for an object. This acknowledges all active alarms and resets all alarms that have been configured with "Reset Required".

Alarm States



Alarm Suppressed (disabled by controller)



Alarm Disabled (by user)



Alarm Shelved (logged but not annunciated)