

Tag Name	Data Type	Client Access	Description
Calibrate_Gain	Boolean	R/W	Calibrate the analog inout module to correct the gain error
Calibrate_Offset	Boolean	R/W	Calibrate the Analog inout module to correct the offset error
Firmware_Version	String	RO	
Module_Name	String	RO	
Config_Params.Baud_Rate	Byte	RO	
Config_Params.CheckSum	Byte	RO	
Diagnostics.CH0	Byte	RO	Channel 0 diagnostics
Diagnostics.CH1	Byte	RO	Channel 0 diagnostics
Diagnostics.CH2	Byte	RO	Channel 0 diagnostics
Diagnostics.CH3	Byte	RO	Channel 0 diagnostics
Digital_IO.DI0	Boolean	RO	Digital inoutt 0
Digital_IO.DI1	Boolean	RO	Digital inoutt 0
Digital_IO.DO0	Boolean	R/W	Digital output 0
Digital_IO.DO1	Boolean	R/W	Digital output 0
Inputs.Range_Code.PV0	String	R/W	In Hex
Inputs.Range_Code.PV1	String	R/W	In Hex
Inputs.Range_Code.PV2	String	R/W	In Hex
Inputs.Range_Code.PV3	String	R/W	In Hex
Inputs.Values.PV0	Float	RO	
Inputs.Values.PV1	Float	RO	
Inputs.Values.PV2	Float	RO	
Inputs.Values.PV3	Float	RO	
Outputs.Max.AO0	Word	R/W	Output Channel 0 Max Calibration Value
Outputs.Max.AO1	Word	R/W	Output Channel 1Max Calibration Value
Outputs.Min.AO0	Word	R/W	Output Channel 0 Min Calibration Value
Outputs.Min.AO1	Word	R/W	Output Channel 1 Min Calibration Value
Outputs.Range_Code.AO0	String	R/W	in Hex
Outputs.Range_Code.AO1	String	R/W	in Hex
Outputs.Value.AO0	Float	R/W	
Outputs.Value.AO1	Float	R/W	
PID_Loop0.DI	Long	RO	DI for Emergency Stop
PID_Loop0.DI_Last_State	Long	RO	
PID_Loop0.DO	Long	RO	Alarm DO On
PID_Loop0.DO_Last_State	Long	RO	
PID_Loop0.Loop_Count_Down	Long	RO	Count down value of control loop period
PID_Loop0.Loop_Previous_Status	Long	RO	Previous Loop Open/Close Status
PID_Loop0.MV	Long	R/W	MV Engineering Value. Can be writtend to when Loop is in Manual
PID_Loop0.MV_ALARM_H	Long	R/W	MV Alarm Hi Limit Value
PID_Loop0.MV_ALARM_L	Long	R/W	MV Alarm Lo Limit Value
PID_Loop0.MV_ALARM_STATUS	Long	RO	

Tag Name	Data Type	Client Access	Description
PID_Loop0.MV_EM	Long	R/W	MV outout value while emergency shutdown DI being active
PID_Loop0.MV_INIT	Long	R/W	MV initial malue for power recovery action
PID_Loop0.MV_Raw	Long	RO	Manipulator value
PID_Loop0.MV_RH	Long	R/W	MV Hi Range
PID_Loop0.MV_RL	Long	R/W	MV Lo Range
PID_Loop0.MV_Signal_Range	Long	RO	
PID_Loop0.NSEC	Long	RO	Calculating new loop interval
PID_Loop0.NSEC_OLD	Long	RO	Calculating old loop interval
PID_Loop0.Open_Mode	Long	R/W	0 - Open, 1 - Close, 2 - Manual
PID_Loop0.PID_Direction	Long	R/W	PID_Direction Mode
PID_Loop0.PID_KD	Long	RO	PID Differential Factor for PID Calculation
PID_Loop0.PID_KD_PV1	Long	R/W	PID Differential Factor for PV1
PID_Loop0.PID_KD_PV2	Long	R/W	PID Differential Factor for PV2
PID_Loop0.PID_KI	Long	RO	PID Integrated Factor for PID Calculation
PID_Loop0.PID_KI_PV1	Long	R/W	PID Integrated Factor for PV1
PID_Loop0.PID_KI_PV2	Long	R/W	PID Integrated Factor for PV2
PID_Loop0.PID_KP	Long	RO	PID Proportional Factor for PID Calculation
PID_Loop0.PID_KP_PV1	Long	R/W	PID Proportional Factor for PV1
PID_Loop0.PID_KP_PV2	Long	R/W	PID Proportional Factor for PV2
PID_Loop0.PID_Mode	Long	R/W	0 - Standard, 1 Differential
PID_Loop0.PID_Period	Long	RO	Control Loop Period Setting in MSEC
PID_Loop0.PID_PV	Long	RO	
PID_Loop0.PID_SV	Long	RO	
PID_Loop0.Power_Recovery	Long	R/W	
PID_Loop0.PV_Mode	Long	R/W	Select source 1 or 2 as PV
PID_Loop0.PV1	Long	RO	PV Source 1 Engineering Value
PID_Loop0.PV1_ALARM_DB	Long	R/W	PV1 Alarm Dead Band % Value
PID_Loop0.PV1_ALARM_H	Long	R/W	PV1 Alarm Hi Limit Value
PID_Loop0.PV1_ALARM_HH	Long	R/W	PV1 Alarm HiHi Limit Value
PID_Loop0.PV1_ALARM_L	Long	R/W	PV1 Alarm Lo Limit Value
PID_Loop0.PV1_ALARM_LL	Long	R/W	PV1 Alarm LoLo Limit Value
PID_Loop0.PV1_ALARM_STATUS	Long	RO	
PID_Loop0.PV1_Filter	Long	R/W	1st order filter
PID_Loop0.PV1_Open	Long	RO	Open Wire Flag
PID_Loop0.PV1_Period	Long	R/W	Control Loop Period Setting in MSEC
PID_Loop0.Pv1_Raw	Long	RO	
PID_Loop0.PV1_RH	Long	R/W	PV1 Hi Range
PID_Loop0.PV1_RL	Long	R/W	PV1 Lo Range
PID_Loop0.PV1_Signal_Range	Long	RO	
PID_Loop0.PV1_SP	Long	R/W	Setpoint for PV1
PID_Loop0.PV2	Long	RO	PV Source 2 Engineering Value

Tag Name	Data Type	Client Access	Description
PID_Loop0.PV2_ALARM_DB	Long	R/W	PV1 Alarm Dead Band % Value
PID_Loop0.PV2_ALARM_H	Long	R/W	PV2 Alarm Hi Limit Value
PID_Loop0.PV2_ALARM_HH	Long	R/W	PV2 Alarm HiHi Limit Value
PID_Loop0.PV2_ALARM_L	Long	R/W	PV2 Alarm Lo Limit Value
PID_Loop0.PV2_ALARM_LL	Long	R/W	PV2 Alarm LoLo Limit Value
PID_Loop0.PV2_ALARM_STATUS	Long	RO	
PID_Loop0.PV2_Filter	Long	R/W	2nd order filter
PID_Loop0.PV2_Open	Long	RO	Open wire flag
PID_Loop0.PV2_Period	Long	R/W	Control Loop Period Setting in MSEC
PID_Loop0.PV2_Raw	Long	RO	
PID_Loop0.PV2_RH	Long	R/W	PV2 Hi Range
PID_Loop0.PV2_RL	Long	R/W	PV1Lo Range
PID_Loop0.PV2_Signal_Range	Long	RO	
PID_Loop0.PV2_SP	Long	R/W	Setpoint for PV2
PID_Loop0.SV1_H	Long	R/W	SV1 Hi Limit
PID_Loop0.SV1_L	Long	R/W	SV1 Lo Limit
PID_Loop0.SV2_H	Long	R/W	SV2 Hi Limit
PID_Loop0.SV2_L	Long	R/W	SV2 Lo Limit
PID_Loop1.DI	Long	RO	DI for Emergency Stop
PID_Loop1.DI_Last_State	Long	RO	
PID_Loop1.DO	Long	RO	Alarm DO On
PID_Loop1.DO_Last_State	Long	RO	
PID_Loop1.Loop_Count_Down	Long	RO	Count down value of control loop period
PID_Loop1.Loop_Previous_Status	Long	RO	Previous Loop Open/Close Status
PID_Loop1.MV	Long	R/W	MV Engineering Value. Can be writtend to when Loop is in Manual
PID_Loop1.MV_ALARM_H	Long	R/W	MV Alarm Hi Limit Value
PID_Loop1.MV_ALARM_L	Long	R/W	MV Alarm Lo Limit Value
PID_Loop1.MV_ALARM_STATUS	Long	RO	
PID_Loop1.MV_EM	Long	R/W	MV outout value while emergency shutdown DI being active
PID_Loop1.MV_INIT	Long	R/W	MV initial malue for power recovery action
PID_Loop1.MV_Raw	Long	RO	Manipulator value
PID_Loop1.MV_RH	Long	R/W	MV Hi Range
PID_Loop1.MV_RL	Long	R/W	MV Lo Range
PID_Loop1.MV_Signal_Range	Long	RO	
PID_Loop1.NSEC	Long	RO	Calculating new loop interval
PID_Loop1.NSEC_OLD	Long	RO	Calculating old loop interval
PID_Loop1.Open_Mode	Long	R/W	0 - Open, 1 - Close, 2 - Manual
PID_Loop1.PID_Direction	Long	R/W	PID_Direction Mode
PID_Loop1.PID_KD	Long	RO	PID Differential Factor for PID Calculation
PID_Loop1.PID_KD_PV1	Long	R/W	PID Differential Factor for PV1

Tag Name	Data Type	Client Access	Description
PID_Loop1.PID_KD_PV2	Long	R/W	PID Differential Factor for PV2
PID_Loop1.PID_KI	Long	RO	PID Integrated Factor for PID Calculation
PID_Loop1.PID_KI_PV1	Long	R/W	PID Integrated Factor for PV1
PID_Loop1.PID_KI_PV2	Long	R/W	PID Integrated Factor for PV2
PID_Loop1.PID_KP	Long	RO	PID Proportional Factor for PID Calculation
PID_Loop1.PID_KP_PV1	Long	R/W	PID Proportional Factor for PV1
PID_Loop1.PID_KP_PV2	Long	R/W	PID Proportional Factor for PV2
PID_Loop1.PID_Mode	Long	R/W	0 - Standard, 1 Differential
PID_Loop1.PID_Period	Long	RO	Control Loop Period Setting in MSEC
PID_Loop1.PID_PV	Long	RO	
PID_Loop1.PID_SV	Long	RO	
PID_Loop1.Power_Recovery	Long	R/W	
PID_Loop1.PV_Mode	Long	R/W	Select source 1 or 2 as PV
PID_Loop1.PV1	Long	RO	PV Source 1 Engineering Value
PID_Loop1.PV1_ALARM_DB	Long	R/W	PV1 Alarm Dead Band % Value
PID_Loop1.PV1_ALARM_H	Long	R/W	PV1 Alarm Hi Limit Value
PID_Loop1.PV1_ALARM_HH	Long	R/W	PV1 Alarm HiHi Limit Value
PID_Loop1.PV1_ALARM_L	Long	R/W	PV1 Alarm Lo Limit Value
PID_Loop1.PV1_ALARM_LL	Long	R/W	PV1 Alarm LoLo Limit Value
PID_Loop1.PV1_ALARM_STATUS	Long	RO	
PID_Loop1.PV1_Filter	Long	R/W	1st order filter
PID_Loop1.PV1_Open	Long	RO	Open Wire Flag
PID_Loop1.PV1_Period	Long	R/W	Control Loop Period Setting in MSEC
PID_Loop1.Pv1_Raw	Long	RO	
PID_Loop1.PV1_RH	Long	R/W	PV1 Hi Range
PID_Loop1.PV1_RL	Long	R/W	PV1 Lo Range
PID_Loop1.PV1_Signal_Range	Long	RO	
PID_Loop1.PV1_SP	Long	R/W	Setpoint for PV1
PID_Loop1.PV2	Long	RO	PV Source 2 Engineering Value
PID_Loop1.PV2_ALARM_DB	Long	R/W	PV1 Alarm Dead Band % Value
PID_Loop1.PV2_ALARM_H	Long	R/W	PV2 Alarm Hi Limit Value
PID_Loop1.PV2_ALARM_HH	Long	R/W	PV2 Alarm HiHi Limit Value
PID_Loop1.PV2_ALARM_L	Long	R/W	PV2 Alarm Lo Limit Value
PID_Loop1.PV2_ALARM_LL	Long	R/W	PV2 Alarm LoLo Limit Value
PID_Loop1.PV2_ALARM_STATUS	Long	RO	
PID_Loop1.PV2_Filter	Long	R/W	2nd order filter
PID_Loop1.PV2_Open	Long	RO	Open wire flag
PID_Loop1.PV2_Period	Long	R/W	Control Loop Period Setting in MSEC
PID_Loop1.PV2_Raw	Long	RO	
PID_Loop1.PV2_RH	Long	R/W	PV2 Hi Range
PID_Loop1.PV2_RL	Long	R/W	PV1Lo Range
PID_Loop1.PV2_Signal_Range	Long	RO	
PID_Loop1.PV2_SP	Long	R/W	Setpoint for PV2
PID_Loop1.SV1_H	Long	R/W	SV1 Hi Limit

Tag Name	Data Type	Client Access	Description
PID_Loop1.SV1_L	Long	R/W	SV1 Lo Limit
PID_Loop1.SV2_H	Long	R/W	SV2 Hi Limit
PID_Loop1.SV2_L	Long	R/W	SV2 Lo Limit