Invensys Standard SoftwareTags

Suggested Core List of Prefixes (Add as Necessary)

Prefix	Description	Prefix	Description	Prefix	Description
Bldg	Building	Ef	Exhaust Fan	Plw	Pool Water
Blr	Boiler	Fb	Face/Bypass	Pri	Primary
Cba	Combustion Air	Fil	Filter	Ra	Return Air
Cd	Cold Deck	Hd	Hot Deck	Rf	Return Fan
Cg	Cooling	Ht	Heating	Rht	Reheat
Chlr	Chiller	Hum	Humidifier	Rm(xxx)	Room
Cwr	Condenser Water Return	Hwr	Hot Water Return	Sa	Supply Air
Cws	Condenser Water Supply	Hws	Hot Water Supply	Sec	Secondary
Chwr	Chilled Water Return	Hx	Heat Exchanger	Sf	Supply Fan
Chws	Chilled Water Supply	Lt	Lighting	Sk	Smoke
Ct	Cooling Tower	Ma	Mixed Air	Stm	Steam
Da	Discharge Air	Oa	Outside Air	Vsd	Variable Speed Drive
Dhw	Domestic Hot Water	P(x)	Pump (Number)	Z(xxx)	Zone (number)
Dx	Direct Expansion	Pht	Preheat		

Suggested Core List of Suffixes (Add as Necessary)

Suffix	Description	Suffix	Description	Suffix	Description
A	Alarm	Ec	Energy Consumption	Rh	Relative Humidity
Amp	Amps	Ena	Enable	Rst	Reset
Avg	Average	Enth	Enthalpy	S	Status
C	Command/Control	Es	End Switch	Sp	Static Pressure
Ccl	Command Close	Fire	Fire	Spd	Speed
CO	Carbon Monoxide	Flo	Flow	Spt	Setpoint
CO2	Carbon Dioxide	Frq	Frequency	SS	Start/Stop
Cop	Command Open	Hi	High	Stg	Stage
Dew	Dewpoint	HL	High Limit	T	Temp
Dis	Disable	Hz	Hertz	Tp	Total Pressure
Dmp	Damper	LL	Low Limit	Vlv	Valve
Dp	Differential Pressure	Lo	Low	Vp	Velocity Pressure
Drv	Drive	Loc	Lockout	Wb	Wet Bulb
Dt	Differential Temperature	P	Pressure		

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Invensys Standard SoftwareTags

Analog Inputs

Type	Tag Name	Description	Units - English	Units - Metric	Decimal Place Sensor	Decimal Place (GUI)
AI	BldgEc	Building Energy Consumption	KWH	KWH	0	1
AI	BldgSp	Building Static Pressure	In Wg	Pa	1	1
AI	BlrLoc	Boiler Lockout	°F	°C	0	1
AI	ChlrLoc	Chiller Lockout	°F	°C	0	1
AI	ChwrFlo	Chilled Water Return Flow	GPM	LPS	0	1
AI	ChwrT	Chilled Water Return Temperature	°F	°C	0	1
AI	ChwsDp	Chilled Water Supply Differential Pressure	psi	Pa	1	1
AI	ChwsFlo	Chilled Water Supply Flow	GPM	LPS	0	1
AI	ChwsSpt	Chilled Water Supply Temperature Setpoint	°F	°C	0	1
AI	ChwsT	Chilled Water Supply Temperature	°F	°C	0	1
AI	CwrT	Condenser Return Temperature	°F	°C	0	1
AI	CwsT	Condenser Supply Temperature	°F	°C	0	1
AI	DaEnth	Discharge Air Enthalpy	BTU/Lb	kJ/kg	0	0
AI	DaFlo	Discharge Air Flow	CFM	LPS	0	1
AI	DaFloSpt	Discharge Air Flow Set point	CFM	LPS	0	1
AI	DaRh	Discharge Air Relative Humidity	%	%	0	1
AI	DaRhSpt	Discharge Air Relative Humidity Set point	%	%	0	1
AI	DaSp	Discharge Air Static Pressure	In Wg	Pa	1	1
AI	DaSpSpt	Discharge Air Static Set point	In Wg	Pa	1	1
AI	DaSpt	Discharge Air Temperature Set point	°F	°C	0	1
AI	DaT	Discharge Air Temperature	°F	°C	0	1
AI	DaTp	Discharge Air Total Pressure	In Wg	Pa	1	1
AI	DaVp	Discharge Air Velocity Pressure	In Wg	Pa	1	1
AI	DhwT	Domestic Hot Water Temperature	°F	°C	0	1
AI	Ef1Amp	Exhaust Fan 1 Current Draw	Amps	Amps	0	1
AI	Ef1Spd	Exhaust Fan 1 Speed	Hz	Hz	0	1
AI	FilDp	Filter Differential Pressure	In Wg	Pa	2	2
AI	HwrFlo	Hot Water Return Flow	GPM	LPS	0	1
AI	HwrT	Hot Water Return Temperature	°F	°C	0	1
AI	HwsDp	Hot Water Supply Differential Pressure	psi	Pa	1	1
AI	HwsFlo	Hot Water Supply Flow	GPM	LPS	0	1
AI	HwsSpt	Hot Water Supply Temperature Set point	°F	°C	0	1
AI	HwsT	Hot Water Supply Temperature	°F	°C	0	1
AI	MaEnth	Mixed Air Enthalpy	BTU/Lb	kJ/kg	0	0
AI	MaRh	Mixed Air Relative Humidity	%	%	0	1
AI	MaSpt	Mixed Air Temperature Set point	°F	°C	0	1
AI	MaT	Mixed Air Temperature	°F	°C	0	1
AI	OaCO2	Outside Air Carbon Dioxide	PPM	PPM	0	0
AI	OaDew	Outside Air Dew point Temperature	°F	°C	0	1
AI	OaEnth	Outside Air Enthalpy	BTU/Lb	kJ/kg	0	0
AI	OaFlo	Outside Air Flow	CFM	LPS	0	1
AI	OaFloSpt	Outside Air Flow Set point	CFM	LPS	0	1
AI	OaLoc	Outside Air Lockout Temperature Set point	°F	°C	0	1
AI	OaRh	Outside Air Relative Humidity	%	%	0	1
AI	OaT	Outside Air Temperature	°F	°C	0	1
AI	OaWbT	Outside Air Wet Bulb Temperature	°F	°C	0	1
AI	P1Flo	Pump 1 Flow	GPM	LPS	0	1
AI	P2Flo	Pump 2 Flow	GPM	LPS	0	1
AI	PhtT	Preheat Temperature	°F	°C	0	1
AI	PlwT	Pool Water Temperature	°F	°C	0	1
AI	RaCO2	Return Air Carbon Dioxide	PPM	PPM	0	0
AI	RaEnth	Return Air Enthalpy	BTU/Lb	kJ/kg	0	0
AI	RaFlo	Return Air Flow	CFM	LPS	0	1

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Analog Inputs

Type	Tag Name	Description	Units - English	Units - Metric	Decimal Place Sensor	Decimal Place (GUI)
AI	RaFloSpt	Return Air Flow Set point	CFM	LPS	0	1
AI	RaRh	Return Air Relative Humidity	%	%	0	1
AI	RaSp	Return Air Static Pressure	In Wg	Pa	1	1
AI	RaSpSpt	Return Air Static Set point	In Wg	Pa	1	1
AI	RaSpt	Return Air Temperature Set point	°F	°C	0	1
AI	RaT	Return Air Temperature	°F	°C	0	1
AI	RfAmp	Return Fan Current Draw	Amps	Amps	0	1
AI	RfSpd	Return Fan Speed	Hz	Hz	0	1
AI	Rm(xxx)CO	Room Carbon Monoxide	PPM	PPM	0	0
AI	Rm(xxx)CO2	Room Carbon Dioxide	PPM	PPM	0	0
AI	Rm(xxx)Dew	Room Dew point Temperature	°F	°C	0	1
AI	Rm(xxx)Rh	Room Relative Humidity	%	%	0	1
AI	Rm(xxx)Spt	Room Temperature Setpoint	°F	°C	0	1
AI	Rm(xxx)T	Room Temperature	°F	°C	0	1
AI	SaEnth	Supply Air Enthalpy	BTU/Lb	kJ/kg	0	0
AI	SaRh	Supply Air Relative Humidity	%	%	0	1
AI	SaSpt	Supply Air Temperature Set point	°F	°C	0	1
AI	SaT	Supply Air Temperature	°F	°C	0	1
AI	SaTp	Supply Air Total Pressure	In Wg	Pa	1	1
AI	SaVp	Supply Air Velocity Pressure	In Wg	Pa	1	1
AI	SfAmp	Supply Fan Current Draw	Amps	Amps	0	1
AI	SfSpd	Supply Fan Speed	Hz	Hz	0	1
AI	Z(xxx)T	Zone (xxx) Temperature	°F	°C	0	1
AI	ZAvgT	Average Zone Temperature	°F	°C	0	1

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Invensys Standard SoftwareTags

Digital Inputs

Type	Tag Name	Description	On/Closed State 1	Off/Open State 0	Decimal Place Sensor	Decimal Place (GUI)
DI	Blr1A	Boiler 1 Alarm	Alarm	Normal		
DI	Blr1FF	Boiler 1 Flame Failure	Failed	Normal		
DI	Blr1S	Boiler 1 Status	Fire	Off		
DI	Blr2A	Boiler 2 Alarm	Alarm	Normal		
DI	Blr2FF	Boiler 2 Flame Failure	Failed	Normal		
DI	Blr2S	Boiler 2 Status	Fire	Off		
DI	CbaDmpEs	Combustion Air Damper End Switch	Closed	Open		
DI	Chlr1A	Chiller 1 Alarm	Alarm	Normal		
DI	Chlr1S	Chiller 1 Status	Run	Off		
DI	Chlr2A	Chiller 2 Alarm	Alarm	Normal		
DI	Chlr2S	Chiller 2 Status	Run	Off		
DI	DaRhHL	Discharge Air Relative Humidity High Limit	Alarm	Normal		
DI	DaSpHL	Discharge Air Static Pressure High Limit	Alarm	Normal		
DI	DaTHL	Discharge Air Temperature High Limit	Alarm	Normal		
DI	Ef1S	Exhaust Fan 1 Status	Run	Off		
DI	Ef2S	Exhaust Fan 2 Status	Run	Off		
DI	FilS	Filter Status	Dirty	Clean		
DI	LLS	Low Limit Status	Normal	Alarm	*	
DI	MaLL	Mixed Air Low Limit Status	Normal	Alarm	*	
DI	OaDmpEs	Outside Air Damper End Switch	Closed	Open		
DI	P1S	Pump 1 Status	On	Off		
DI	P2S	Pump 2 Status	On	Off		
DI	PFilS	Pre-Filter Status	Dirty	Clean		
DI	RaSk	Return Air Smoke Detector	Normal	Alarm	*	
DI	RaSpLL	Return Air Static Low Limit	Alarm	Normal		
DI	RaTHL	Return Air Temperature High Limit	Alarm	Normal		
DI	RfS	Return Fan Status	On	Off		
DI	SaRhHL	Supply Air Relative Humidity High Limit	Alarm	Normal		
DI	SaSkA	Supply Air Smoke Alarm	Normal	Alarm	*	
DI	SaSpHL	Supply Air Static Pressure High Limit	Alarm	Normal		
DI	SaTHL	Supply Air Temperature High Limit	Alarm	Normal		
DI	SfS	Supply Fan Status	On	Off		
DI	Z(xxx)SkA	Zone (xxx) Smoke Alarm	Normal	Alarm	*	

* Note: For Life & Equipment safety points we use on/closed state 1 as normal to additionally monitor the integrity of the wiring.

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Invensys Standard SoftwareTags

Analog Outputs

Type	Tag Name	Description	Units - English	Units - Metric	Decimal Place Sensor	Decimal Place (GUI)
AO	BDmp	Bypass Damper Control	%	%	0	1
AO	Blr1Fire	Boiler 1 Fire Control	%	%	0	1
AO	Blr2Fire	Boiler 2 Fire Control	%	%	0	1
AO	CdDmp	Cold Deck Damper Control	%	%	0	1
AO	CgVlv	Cooling Valve Control	%	%	0	1
AO	CtVlv	Cooling Tower Valve Control	%	%	0	1
AO	DaDmp	Discharge Air Damper Control	%	%	0	1
AO	FBDmp	Face/Bypass Damper Control	%	%	0	1
AO	HdDmp	Hot Deck Damper Control	%	%	0	1
AO	HtVlv	Heating Valve Control	%	%	0	1
AO	Hum	Humidifier Control	%	%	0	1
AO	HumVlv	Humidity Valve Control	%	%	0	1
AO	HxVlv	Heat Exchanger Valve Control	%	%	0	1
AO	MaDmp	Mixed Air Damper Control	%	%	0	1
AO	OaDmp	Outside Air Damper Control	%	%	0	1
AO	P1Vsd	Pump 1 VSD Control	%	%	0	1
AO	P2Vsd	Pump 2 VSD Control	%	%	0	1
AO	PhtVlv	Preheat Valve Control	%	%	0	1
AO	RaDmp	Return Air Damper Control	%	%	0	1
AO	RfVsd	Return Fan VSD Control	%	%	0	1
AO	SfVsd	Supply Fan VSD Control	%	%	0	1
AO	StmVlv	Steam Valve Control	%	%	0	1

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Invensys Standard SoftwareTags

Digital Outputs

Type	Tag Name	Description	On/Closed State 1	Off/Open State 0	Decimal Place Sensor	Decimal Place (GUI)
DO	Blr1Ena	Boiler 1Enable/Disable	Enabled	Disabled		
DO	Blr1SS	Boiler 1 Command	On	Off		
DO	Blr2Ena	Boiler 2 Enable/Disable	Enabled	Disabled		
DO	Blr2SS	Boiler 2 Command	On	Off		
DO	Chlr1Ena	Chiller 1Enable/Disable	Enabled	Disabled		
DO	Chlr1SS	Chiller 1 Command	On	Off		
DO	Chlr2Ena	Chiller 2 Enable/Disable	Enabled	Disabled		
DO	Chlr2SS	Chiller 2 Command	On	Off		
DO	CtF1Ena	Cooling Tower Fan 1 Enable/Disable	Enabled	Disabled		
DO	CtF1SS	Cooling Tower Fan 1 Command	On	Off		
DO	CtF1Hi	Cooling Tower Fan 1 High Speed	On	Off		
DO	CtF1Lo	Cooling Tower Fan 1 Low Speed	On	Off		
DO	CtF2Ena	Cooling Tower Fan 2 Enable/Disable	Enabled	Disabled		
DO	CtF2SS	Cooling Tower Fan 2 Command	On	Off		
DO	CtF2Hi	Cooling Tower Fan 2 High Speed	On	Off		
DO	CtF2Lo	Cooling Tower Fan 2 Low Speed	On	Off		
DO	DrvCl	Drive Closed	Drive	Off		
DO	DrvOp	Drive Open	Drive	Off		
DO	DxStg1	DX Cooling Stage 1 Enable/Disable	Enabled	Disabled		
DO	DxStg2	DX Cooling Stage 2 Enable/Disable	Enabled	Disabled		
DO	DxStg3	DX Cooling Stage 3 Enable/Disable	Enabled	Disabled		
DO	DxStg4	DX Cooling Stage 4 Enable/Disable	Enabled	Disabled		
DO	DxStg5	DX Cooling Stage 5 Enable/Disable	Enabled	Disabled		
DO	DxStg6	DX Cooling Stage 6 Enable/Disable	Enabled	Disabled		
DO	DxStg7	DX Cooling Stage 7 Enable/Disable	Enabled	Disabled		
DO	DxStg8	DX Cooling Stage 8 Enable/Disable	Enabled	Disabled		
DO	EaDmp	Exhaust Air Damper Command	Open	Closed		
DO	Ef1SS	Exhaust Fan1 Start/Stop	On	Off		
DO	Ef2SS	Exhaust Fan2 Start/Stop	On	Off		
DO	MaDmp	Mixed Air Damper Command	Open	Closed		
DO	OaDmp	Outside Air Damper Command	Open	Closed		
DO	OccUnocc	Occupancy	Occupied	Unoccupied		
DO	P1Ena	Pump 1 Enable/Disable	Enabled	Disabled		
DO	P1SS	Pump 1 Command	On	Off		
DO	P2Ena	Pump 2 Enable/Disable	Enabled	Disabled		
DO	P2SS	Pump 2 Command	On	Off		
DO	RaDmp	Return Air Damper Command	Open	Closed		
DO	Rm(xxx)Lt	Room Lighting Command	On	Off		
DO	SkDmp	Smoke Damper Command	Open	Closed		
DO	Z(xxx)Lt	Zone Lighting Command	On	Off		

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