

# Profinet Input and Output Data

## Slot 1: Temp and Alarm Data (Input)

Data Ptr	Data Name	Comment
0	INLETTEMP	/10
1	OUTLETTEMP	/10
2	Alarm and Flag Data	See table

- 6 bytes long

## Slot 2: Set-point Data (Input)

Data Ptr	Data Name	Comment
0	COOL_SP	/10
1	COOL_DIF	/10
2	HEAT_SP	/10
3	HEAT_DIF	/10
4	HITEMPALARM	/10
5	LOTEMPALARM	/10
6	COOLMIN	/10
7	COOLMAX	/10
8	HEATMIN	/10
9	HEATMAX	/10

- 20 bytes long

## Slot 3: Set-point Data (output)

Data Ptr	Data Name	Comment
0	COOL_SP	*10
1	COOL_DIF	*10
2	HEAT_SP	*10
3	HEAT_DIF	*10
4	HITEMPALARM	*10
5	LOTEMPALARM	*10

- 12 bytes long

## Slot 4: Unit Info Data (Input)

Data Ptr	Data Name	Comment
0	UNITSERIAL1	SCII chars
1	UNITSERIAL2	
2	UNITSERIAL3	
3	UNITSERIAL4	
4	UNITSERIAL5	
5	UNITSERIAL6	
6	UNITSERIAL7	
7	UNITSERIAL8	
8	UNITSERIAL9	
9	UNITMODEL1	SCII chars
10	UNITMODEL2	
11	UNITMODEL3	
12	UNITMODEL4	
13	UNITMODEL5	
14	UNITMODEL6	
15	UNITMODEL7	
16	UNITMODEL8	

- 34 bytes long

Data Format: 16bits words  
 Requested Packet Interval (RPI): 120ms

### Alarm and Flag Data

Bit	Name	Comment
0	Unit of Measure	0 = degree C
1	Frost Alarm	0 = Off
2	High Temp Alarm	0 = Off
3	Low Temp Alarm	0 = Off 1 = On
4	Inlet Sensor Alarm	0 = Off 1 = On
5	Outlet Sensor Alarm	0 = Off 1 = On
6	Door/Smoke Alarm	0 = Off 1 = On
7	High Pressure Alarm	0 = Off 1 = On
8	Controller Comm fail	0 = Off 1 = On