

# Polar Bear Thermostat to Fujitsu Intesis Interface ( INT-FUJ-B )

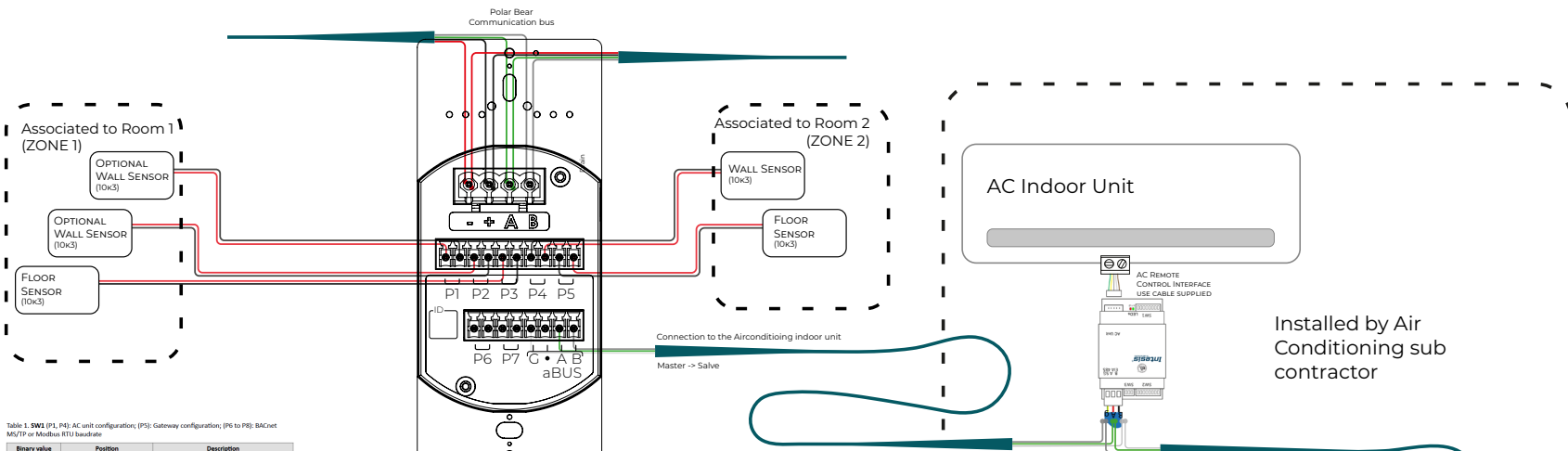


Table 1. SW1 (P1, P4): AC unit configuration; (P5): Gateway configuration; (P6 to P8): BACnet MS/TP to Modbus RTU handshake

Binary value	Position	Description
b0 - b7	1 2 3 4 5 6 7 8	BACnet / Modbus
00XXXXXX	↓ X X X X X X X	3 Fan speeds
10XXXXXX	↑ ↓ X X X X X X	4 Fan speeds (default)
01XXXXXX	↓ ↑ X X X X X X	5 Fan speeds
11XXXXXX	↑ ↑ X X X X X X	6 Fan speeds
XXXXXXXX	X X X X ↓ X X X	BACnet MS/TP in 485 port enabled (default) / Modbus RTU in 485 port disabled (default)
XXXX1XXX	X X X X ↑ X X X	BACnet MS/TP in 485 port disabled / Modbus RTU in 485 port enabled
XXXXX000	X X X X ↓ ↓ ↓ ↓	Autobaudrate (default) 2500 bps
XXXXX100	X X X X ↑ ↓ ↓ ↓	9600 bps / 4800 bps
XXXXX010	X X X X ↓ ↑ ↓ ↓	19200 bps / 9600 bps
XXXXX110	X X X X ↑ ↑ ↓ ↓	38400 bps / 19200 bps
XXXXX001	X X X X ↓ ↓ ↑ ↓	57600 bps / 38400 bps
XXXXX101	X X X X ↑ ↓ ↑ ↓	76800 bps / 57600 bps
XXXXX011	X X X X ↓ ↑ ↑ ↓	115200 bps / 76800 bps
XXXXX111	X X X X ↑ ↑ ↑ ↑	Autobaudrate / 115200 bps

Table 2. SW2 (Modbus RTU) (P1 to P6): Modbus server address; (P7): Degree decimals setting (P8): Temperature unit (C/F)

Binary value	Position	Modbus address	Description
b0 - b7	1 2 3 4 5 6 7 8		
1000000X	↑ ↓ ↓ ↓ ↓ ↓ X X	1	when used as Zone 1
0100000X	↑ ↓ ↓ ↓ ↓ ↓ X X	2	when used as Zone 2
1100000X	↑ ↑ ↓ ↓ ↓ ↓ X X	3	-
...	...	...	...
0111110X	↑ ↑ ↑ ↑ ↑ ↑ X X	61	-
0111111X	↑ ↑ ↑ ↑ ↑ ↑ X X	62	-
1111110X	↑ ↑ ↑ ↑ ↑ ↑ X X	63	-
XXXX000X	X X X X X X ↓ X	-	Temperature in degrees x1 (default)
XXXX001X	X X X X X X ↑ X	-	Temperature in degrees x10. Example: 132.1/132
XXXX000X	X X X X X X ↓ X	-	Temperature in Celsius (default)
XXXX001X	X X X X X X ↑ X	-	Temperature in Fahrenheit

LED	Status	Description
L1 Green	ON	EA-485 bus link performed
	Flickering	Activity on the EA/485 bus
	OFF	EA-485 bus link not performed
L2 Red	ON	AC communication error
	Blinking	AC unit error
	Flashing	AC communication OK
L3 Green + L2 Red	...	Communication error
	Blinking	Any error in the AC Unit
	Flashing	Normal operation
	Pulse	Gateway startup

