

# Honeywell T6 Pro Smart Thermostat

## BACnet IP Device Manual

### Device Information

Manufacturer:	Honeywell
Model:	T6 Pro Smart Thermostat
Device Type:	HVAC Controller
Protocol:	BACnet IP
Part Number:	TH6220WF2006
Firmware Version:	1.2.3

### BACnet Objects

Object Type	Instance	Name	Units	Range
AI	1	Room Temperature	degrees-celsius	15.0 - 35.0
AV	1	Temperature Setpoint	degrees-celsius	16.0 - 30.0
MSV	1	Fan Mode	enum	auto, on, circulate
BI	1	System Status	boolean	0, 1
BV	1	Occupancy Override	boolean	0, 1

### Error Codes

Code	Description	Troubleshooting
E001	Temperature sensor failure	Check sensor connection and calibration
E002	Communication timeout	Verify network connectivity
E003	Setpoint out of range	Adjust setpoint within valid range
E004	Fan motor fault	Check fan motor and wiring
E005	Display error	Reset thermostat or replace display

### Troubleshooting

1. If temperature reading is incorrect, check sensor placement and calibration
2. If device is not responding, verify network connectivity and IP configuration
3. If setpoint cannot be changed, check user permissions and device lock status
4. If fan is not operating, check fan mode settings and motor connections
5. If display is blank, check power supply and reset the device
6. For persistent issues, contact Honeywell technical support

### Maintenance Schedule

Task	Frequency	Description
Calibration Check	6 months	Verify temperature sensor accuracy
Cleaning	3 months	Clean device housing and display
Connection Inspection	6 months	Check all electrical connections
Firmware Update	As needed	Update to latest firmware version
Battery Replacement	2 years	Replace backup battery if applicable

### Network Configuration

- Default IP Address: 192.168.1.100

- Default Subnet Mask: 255.255.255.0
- Default Gateway: 192.168.1.1
- BACnet Port: 47808 (UDP)
- Device ID: 1234
- Network Number: 0
- MAC Address: 00:11:22:33:44:55