

Chronos Local API (v2.1) The T-4000 supports a local REST API for home automation integration without cloud dependency. Authentication All requests must include the X-Chronos-Token header. You can generate this token in the device settings menu under About > Developer Options. Endpoints GET /api/v1/status Returns the current climate data.

Response Example: { "temp\_c": 21.5, "humidity": 45, "voc\_index": 12, "hvac\_state": "idle", "fan\_state": "auto" }

POST /api/v1/setpoint Changes the target temperature. Payload: { "target\_temp": 22.0, "mode": "heat" // Options: "heat", "cool", "auto" }

Note: The API is rate-limited to 1 request per second. Exceeding this will result in a 429 status code and a 60-second lockout.

Chronos T-4000: Troubleshooting & Maintenance LED Status Indicators The circular LED ring on the outer edge conveys system status: Solid Blue: System Normal / Idle. Pulsing Orange: Heating active. Pulsing Cyan: Cooling active. Flashing Red (Fast): Critical hardware fault. Solid Purple: Firmware update in progress. DO NOT UNPLUG. Blinking Yellow: Wi-Fi disconnected. Error Code Reference Code Meaning Recommended Action

ERR-001	Flux-Core Calibration Fail	Perform a "Hard Reset" by holding the main dial for 15 seconds.
ERR-004	No Wi-Fi IP Address	Check router DHCP settings. The T-4000 does not support static IP assignment.
ERR-009	HVAC High Pressure	The system detected back-pressure in the compressor line. Turn off immediately and call a technician.
ERR-012	VOC Sensor Saturated	Ventilation required. Open windows for 10 minutes to recalibrate baseline.

Factory Reset Procedure If the device becomes unresponsive: Remove the faceplate. Locate the small pinhole button labeled "RST" on the back. Press and hold for 5 seconds until the screen flashes white. Re-attach faceplate.

#### Chronos T-4000 Smart Thermostat: User Guide

1. Product Introduction The Chronos T-4000 is an AI-driven climate control unit designed for residential and light commercial use. Unlike the T-3000, the T-4000 features the "Flux-Core" sensor array, which allows it to detect humidity, Volatile Organic Compounds (VOCs), and ambient light levels. Key Specifications: Voltage: 24V AC (C-wire required) Connectivity: Wi-Fi 6 (802.11ax) & Zigbee 3.0 Operating Range: -20°C to 50°C Screen: 4-inch OLED touch panel
2. Installation Guidelines Wiring Configuration The T-4000 uses a standard 5-terminal backplate. R: 24V Power (Red) W: Heating (White) Y: Cooling (Yellow) G: Fan (Green) C: Common (Blue/Black) - MANDATORY Warning: If you do not have a C-wire, you must use the Chronos Power Bridge adapter (sold separately). Attempting to "steal power" from the Y-line will damage the Flux-Core sensor. Initial Boot Sequence Snap the faceplate onto the backplate. The Chronos logo will pulse Blue for 30 seconds. When the screen displays "Ready to Pair," open the Chronos mobile app. Scan the QR code located on the bottom-right edge of the device frame.