

Manuals.plus /

- › T.I.T.S. /
- › SIT Proflame 2 Fireplace Control Module Instruction Manual

## T.I.T.S. PRO2-IFC-5FFRT-STD

# Instruction Manual

## SIT PROFLAME 2 FIREPLACE CONTROL MODULE (PRO2-IFC-5FFRT-STD)

### Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of the SIT Proflame 2 Fireplace Control Module, model PRO2-IFC-5FFRT-STD. Please read this manual thoroughly before attempting any installation or operation to ensure safe and efficient use of your fireplace system. Retain this manual for future reference.

### Product Overview

The SIT Proflame 2 Fireplace Control Module is a critical component designed to manage the ignition and flame control functions of gas fireplaces equipped with an 885 Series Valve. This module integrates various safety and operational features to ensure reliable performance.



Figure 1: SIT Proflame 2 Fireplace Control Module (PRO2-IFC-5FFRT-STD)

This image displays the SIT Proflame 2 Fireplace Control Module. It is a black rectangular circuit board with various connection points and white schematic diagrams printed on its surface, indicating different functional areas such as power input, valve connections, and diagnostic interfaces. The module is designed for integration into fireplace control systems.

## Setup and Installation

---

**Important Safety Information:** Installation must be performed by a qualified service technician. Disconnect all power to the fireplace appliance before beginning installation. Failure to follow these instructions could result in fire, explosion, or electric shock.

### Tools Required:

- Screwdriver set (Phillips and Flathead)
- Wire strippers/cutters
- Multimeter (for verification)
- Gloves and safety glasses

### Installation Steps:

1. **Power Disconnection:** Ensure the main power supply to the fireplace is completely disconnected at the circuit breaker.
2. **Access Module Location:** Carefully open the fireplace control access panel or remove any necessary components to gain access to the existing control module.
3. **Disconnect Old Module:** Document or photograph the existing wiring connections. Carefully disconnect all wires and mounting screws from the old control module.
4. **Install New Module:** Position the new SIT Proflame 2 module in the designated location. Secure it with the appropriate screws.
5. **Connect Wiring:** Reconnect all wires to the new module according to the wiring diagram provided with your fireplace appliance or the module's labeling. Pay close attention to polarity and correct terminal connections (e.g., power, valve, thermopile, remote receiver).
6. **Verify Connections:** Double-check all wiring connections for tightness and correctness. Ensure no bare wires are exposed.
7. **Restore Power:** Once all connections are secure and verified, restore power to the fireplace appliance.
8. **Initial Test:** Follow the operating instructions to perform an initial test of the system.

## Operating Instructions

---

The SIT Proflame 2 module works in conjunction with your fireplace's remote control or wall switch to manage ignition and flame modulation.

### Basic Operation:

- **Power On:** After installation and power restoration, the module will typically enter a standby mode.
- **Ignition Sequence:**
  - a. Activate the fireplace using your remote control or wall switch.
  - b. The module will initiate a pilot ignition sequence.
  - c. Once the pilot flame is established and sensed, the main burner will ignite.
- **Flame Modulation:** If your system supports it, use the remote control to adjust the flame height. The module will regulate the gas flow to achieve the desired flame intensity.
- **System Shutdown:** Turn off the fireplace using your remote control or wall switch. The module will safely shut down the main burner and then the pilot flame.

### Diagnostic Interface:

The module features a diagnostic interface (often labeled "DIAGNOSTIC INTERFACE" or similar on the board, as

seen in Figure 1). This port allows qualified technicians to connect diagnostic tools for troubleshooting and system analysis. Refer to the specific diagnostic tool's manual for usage instructions.

## Maintenance

The SIT Proflame 2 Control Module is designed for long-term reliability with minimal maintenance. However, periodic checks can help ensure optimal performance.

- **Annual Inspection:** It is recommended to have your fireplace system, including the control module, inspected annually by a qualified service technician.
- **Cleaning:** Ensure the area around the module is free from dust, debris, and obstructions. If cleaning is necessary, disconnect power and use a soft, dry brush or compressed air. Do not use liquids or abrasive cleaners.
- **Wiring Check:** During annual inspections, ensure all wiring connections to the module are secure and free from corrosion or damage.
- **Storage:** If the module is removed for extended periods, store it in a dry, cool environment, protected from dust and static electricity.

## Troubleshooting

Before attempting any troubleshooting, ensure the fireplace appliance's main power is disconnected. If you are unsure about any step, contact a qualified service technician.

Problem	Possible Cause	Solution
Module not powering on / No response	No power supply; Loose wiring connection; Faulty module.	Check circuit breaker. Verify all power connections are secure. If power is present and connections are good, the module may be faulty and require replacement.
Pilot ignites but main burner does not	Low gas pressure; Faulty main valve; Thermopile/thermocouple issue; Module fault.	Ensure gas supply is on. Check thermopile/thermocouple for proper placement and output. Consult a technician for gas pressure or valve issues.
Intermittent operation	Loose connections; Overheating; Remote interference.	Check all wiring connections. Ensure adequate ventilation around the module. Check remote battery and signal.
Error codes displayed (if applicable)	Specific system fault.	Refer to your fireplace appliance's specific manual for error code definitions and troubleshooting steps. Contact a qualified technician if the issue persists.

## Specifications

- **Model:** PRO2-IFC-5FFRT-STD
- **Brand:** T.I.T.S.
- **Compatibility:** Designed for 885 Series Valve systems
- **Type:** Fireplace Control Module
- **ASIN:** B078KDMYGZ
- **Function:** Manages ignition, flame control, and safety features for gas fireplaces.

## Warranty and Support

For specific warranty information regarding your SIT Proflame 2 Fireplace Control Module, please refer to the documentation provided by the original manufacturer or the seller at the time of purchase. Warranty terms typically cover defects in materials and workmanship under normal use.

For technical support, installation assistance, or to report a suspected defect, please contact the authorized dealer or the manufacturer's customer service department. Always provide your product model number (PRO2-IFC-5FFRT-STD) and any relevant purchase details when seeking support.