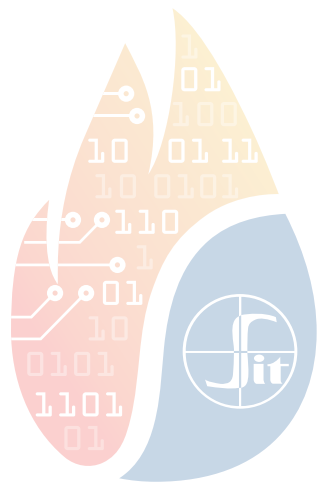


***P***roflame 1 DFC  
*Digital Fireplace Control*



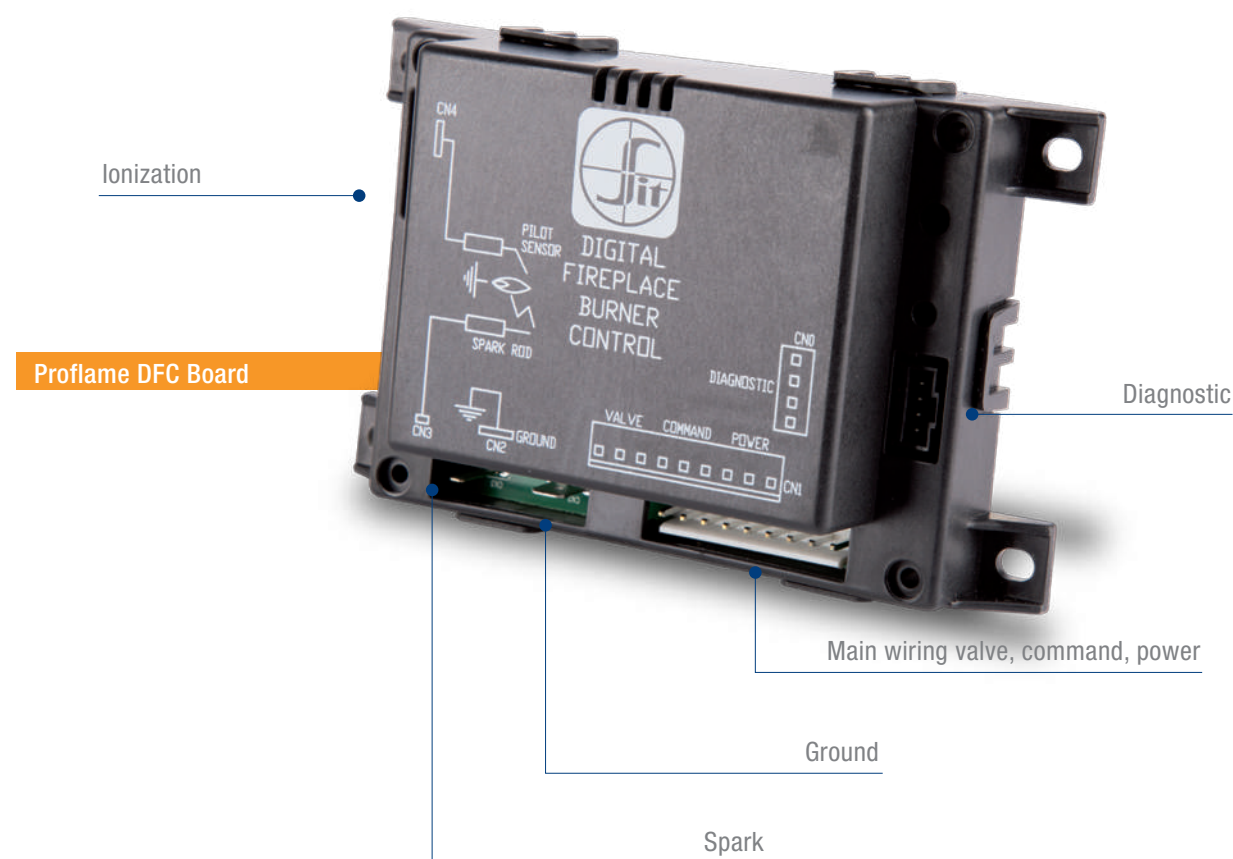
Proflame<sup>®</sup>

## DFC Digital Fireplace Control

The Proflame Digital Fireplace Control (DFC) board is a device that allows the automatic ignition and pilot flame supervision, to command the functions of a hearth appliance. It's configured to control the ON/OFF main burner operation, giving the choice of both IPI (intermittent pilot ignition), and CPI (continuous pilot ignition) modes.

The Proflame DFC board controls and connects directly to the pilot assembly and an automatic valve of the Proflame 880, 886 and 885 families using low electric power.

The DFC Board can be powered by an AC/DC wall adaptor and battery pack for back up (Stand Alone System). When used with the Proflame Remote System, with or without a split flow valve, the DFC Board can be powered by an AC/DC wall adaptor via specific wire harness using the receiver batteries for back up (GTM System). Additionally, the DFC Board can be powered by the Fan Control Module (FCM) via specific wire harness using the receiver batteries for back up (GTMF System).



For operation with a less sensitive response time to movement of the flame with relationship to the sensing electrode, the DFC unit can be ordered with extended "FFRT" option (CSA certified only). With this option a "Flame Failure Response Time" (5s) with extended "Recycle Time" (30s) are adopted. In case of flame failure detection, the system will not react immediately, but will wait for FFRT expiration before entering lockout.

## System Components

The Standalone Proflame is an automatic ignition gas control system that includes an user selectable intermittent or standing pilot.

### Features include:

- twin safety system with true flame detection for enhanced safety and reliability,
- On/Off, Manual Hi/Low, and Remote modulation valve configurations, integrated for use with the Proflame Remote Control GT, GTM, GTMF, GTMS and GTMFS families, operable from a wall switch or a remote control,
- a low power consumption design provides a choice for AC power, Battery power or AC power with Battery back up.

The 880 Proflame Control provides basic ON/OFF operation of gas flow to the pilot and main burners of the heating appliance.

The 886 Proflame Control has the same functions as the 880 control except that it includes HI/LO knob for manual flame height adjustment.

The Proflame controls are designed to be used with either LPG or Natural Gas and can be converted by use of an OEM supplied conversion kit.

The 880 valves can also be upgraded to 886 configurations by installing OEM supplied conversion kits.





## Technical Data

- Supply voltage \_\_\_\_\_ DC IN: 7Vdc - 200mA max (Class 2 power supply)  
\_\_\_\_\_ BB IN: 6Vdc - 200mA max (four 1.5V size AA batteries)
- Ambient temperature ratings \_\_\_\_\_ -18 to +80 °C (0 to +176 °F)
- Spark voltage \_\_\_\_\_ >15kV
- Spark energy \_\_\_\_\_ >0,7mJ
- Spark frequency \_\_\_\_\_ 1Hz
- Tested gas types \_\_\_\_\_ the system has been tested both for NG, and LPG gas types/mixtures
- Pilot ignition source \_\_\_\_\_ Intermittent/Continuous

## Dimensional Drawings

DFC Control Board

