

DFI-100-340F

Limelight Diagnostic Flame Indicator

Alstom DFI-100-340F is a Limelight diagnostic flame indicator module for burner-management service. It reports flame or no-flame status and local diagnostic information to support commissioning and fault investigation.

BRAND	Alstom	FAMILY	Alstom Limelight burner-management flame monitoring
PART	DFI-100-340F	SYSTEM ROLE	Reports flame and no-flame operating states

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DFI-100-340F

MANUFACTURER SOURCE RECORD

ALSTOM Limelight DFI-100-340F Datasheet
User-authorized exact-model source file

Product Overview

SYSTEM FUNCTION

Alstom DFI-100-340F is a Limelight diagnostic flame indicator module for burner-management service. It reports flame or no-flame status and local diagnostic information to support commissioning and fault investigation.

FUNCTION 1

Reports flame and no-flame operating states

FUNCTION 2

Provides local alpha-numeric diagnostic indication

FUNCTION 3

Communicates through the integrated CANbus interface

FUNCTION 4

Uses a removable terminal strip for documented field connections

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	Alstom Limelight burner-management flame monitoring
Primary interface	Reports flame and no-flame operating states
Engineering context	The module is connected to the existing flame-sensing circuit, 24 V DC supply, CANbus and burner-management logic through its pluggable terminal strip. Commissioning retains wiring identity and proves both flame recognition and safe no-flame response.
Commissioning duty	Complete controlled flame-present and flame-absent proof tests and verify safe shutdown action.

TECHNICAL NOTE

Record the DFI-100-340F terminal strip, CANbus connection, power polarity, flame-sensor interface and displayed diagnostic code before removal. Restore the approved 24 V DC supply and burner-management configuration, then verify flame/no-flame response, fault reporting and safe burner shutdown under the controlled commissioning procedure.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Nominal supply	24 V DC	Operating temperature	-20 to +65 deg C
Supply range	18 to 32 V DC	Communication	Integrated CANbus
Internal logic rail	5 V DC	Local indication	Alpha-numeric status panel
Typical power	8 W	Field connection	Pluggable terminal strip
Typical current	0.35 A at 24 V DC		

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
TTM211	IP166 logic analogue I/O card	View TTM211 page
EPICIII	EP3-E-4-A control module	View EPICIII page
8933-0000	PCB display module	View 8933-0000 page
8263-4154	control-system module	View 8263-4154 page
MMLG02	test-block module	View MMLG02 page
MMLB01	test-plug relay	View MMLB01 page
LD106	controller module	View LD106 page
8961-4001	control module	View 8961-4001 page

ENGINEERING BOUNDARY

Confirm DFI-100-340F, the assigned Limelight burner-management channel, hardware execution, pluggable terminal strip, 24 V DC polarity, flame-sensor wiring, shields, grounding, CANbus configuration, displayed diagnostic state and controlled flame-failure test before commissioning.

Applications and Precautions

Common Applications

Burner flame supervision

Provides the documented flame-state indication used by the burner-management sequence.

Boiler light-off verification

Supports controlled confirmation of flame recognition during ignition testing.

Flame-circuit diagnostics

Uses the local status display and communication record to investigate abnormal response.

Module replacement validation

Reproduces the recorded terminal, supply and CANbus arrangement before a proof test.

Product Precautions

- 1

Confirm DFI-100-340F on the module marking and the assigned burner-management channel.
- 2

Place the fuel train and burner in the approved safe maintenance state.
- 3

Isolate the 24 V DC supply and apply ESD controls before handling the module.
- 4

Record every pluggable-terminal position, polarity, shield and field-circuit identifier.
- 5

Record the CANbus connection and alpha-numeric diagnostic status before removal.
- 6

Restore the approved burner-management configuration and documented supply range.
- 7

Verify stable power, communication and flame-state diagnostics before enabling fuel.
- 8

Complete controlled flame-present and flame-absent proof tests and verify safe shutdown action.

IMPORTANT NOTICE

Confirm DFI-100-340F, the assigned Limelight burner-management channel, hardware execution, pluggable terminal strip, 24 V DC polarity, flame-sensor wiring, shields, grounding, CANbus configuration, displayed diagnostic state and controlled flame-failure test before commissioning.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	DFI-100-340F
Configuration	Verify stable power, communication and flame-state diagnostics before enabling fuel.
Functional release	Complete controlled flame-present and flame-absent proof tests and verify safe shutdown action.

Engineer FAQ

Q1 What function does DFI-100-340F perform in burner management?

It provides flame/no-flame indication and diagnostic information for the documented Limelight burner-management channel.

Q3 How are field connections handled on DFI-100-340F?

Record every position on the pluggable terminal strip before removal and restore the same field-circuit and shield assignments.

Q5 What should be captured from the display of DFI-100-340F before service?

Record the alpha-numeric operating state and any diagnostic or fault code before isolating the module.

Q7 Which safety test is required for DFI-100-340F?

Prove both flame-present recognition and flame-absent response, including the documented safe fuel-shutdown action.

Q2 Which supply should be verified for DFI-100-340F?

Confirm a nominal 24 V DC supply within the documented 18 to 32 V DC range and preserve polarity and grounding.

Q4 What communication interface is documented for DFI-100-340F?

The authorized exact-model source identifies an integrated CANbus interface; record the connection and configuration before replacement.

Q6 How should DFI-100-340F be commissioned after replacement?

Verify supply, terminal mapping, CANbus communication and stable diagnostics before the burner is permitted to enter a controlled light-off test.

Q8 What maintenance record should be retained for DFI-100-340F?

Retain the module identity, wiring map, supply measurement, CANbus state, diagnostic display record and final burner proof-test results.

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