

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Alstom
System family	Alstom Limelight burner-management flame monitoring
Part number	DFI-100-340F
Product role	Reports flame and no-flame operating states
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

Record the DFI-100-340F terminal strip, CANbus connection, power polarity, flame-sensor interface and displayed diagnostic code before removal.

APTER POWER SALES TEAM

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DFI-100-340F

Technical Specifications

Technical values below are limited to the named Alstom product record and directly applicable manufacturer documentation.

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		

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	Alstom Limelight burner-management flame monitoring
Primary system role	Reports flame and no-flame operating states
Connection boundary	Record the DFI-100-340F terminal strip, CANbus connection, power polarity, flame-sensor interface and displayed diagnostic code before removal.
Controlled acceptance duty	Burner flame supervision

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.

Pre-Installation Checks

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.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	DFI-100-340F
Installed host	Alstom Limelight burner-management flame monitoring
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

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

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	Alstom Limelight burner-management flame monitoring
2	18 to 32 V DC
3	Burner flame supervision
4	Record the DFI-100-340F terminal strip, CANbus connection, power polarity, flame-sensor interface and displayed diagnostic code before removal.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Alstom Limelight burner-management flame monitoring
Interface role	Reports flame and no-flame operating states
Field / power 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 evidence	Complete controlled flame-present and flame-absent proof tests and verify safe shutdown action.

Installation and Connection Checks

1Record the CANbus connection and alpha-numeric diagnostic status before removal.

2Restore the approved burner-management configuration and documented supply range.

3Verify stable power, communication and flame-state diagnostics before enabling fuel.

4Complete controlled flame-present and flame-absent proof tests and verify safe shutdown action.

MANUFACTURER SOURCE RECORD

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

Applications and Engineering Context

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.

TECHNICAL NOTE

Record the DFI-100-340F terminal strip, CANbus connection, power polarity, flame-sensor interface and displayed diagnostic code before removal.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	DFI-100-340F recorded
Host / carrier	Alstom Limelight burner-management flame monitoring
Physical interface	Reports flame and no-flame operating states
Configuration	Verify stable power, communication and flame-state diagnostics before enabling fuel.
Functional proof	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.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	DFI-100-340F
Approved role	Burner flame supervision
Final validation	Complete controlled flame-present and flame-absent proof tests and verify safe shutdown action.

Engineering 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.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
LD106	controller module	View LD106 page
8961-4001	control module	View 8961-4001 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

MANUFACTURER SOURCE RECORD

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