

C7061F2001

C7061F2001 Dynamic Self-Check UV Flame Detector

C7061F2001 Dynamic Self-Check UV Flame Detector

PRODUCT SNAPSHOT

BRAND
Honeywell

FAMILY
Honeywell flame safeguard

PART
C7061F2001

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

Honeywell C7061F2001 provides ultraviolet flame supervision in an explosion-proof detector housing in a documented Honeywell flame safeguard installation.



Supply: 120 VAC, 50/60 Hz



Mounting connection: 1 inch NPT



Lead length: 8 ft / 96 in



Ambient range: -40 to 175 degF

RELATED APTER POWER PAGES

1

Honeywell 51401496-100

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Honeywell 51401642-150

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Honeywell 8C-TAOXA1 51307135-175

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Honeywell 8C-TDILA1 51307141-175

8

Honeywell FC-FANWR-24R

9

Honeywell FC-SAO-022M

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitor Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to its installed host, interface hardware and engineering configuration. Commissioning restores that architecture and verifies the intended function under controlled conditions.

TECHNICAL DATA

PARAMETER	VALUE	PARAMETER	VALUE
Product type	Dynamic self-check ultraviolet flame detector	Lead length	8 ft / 96 in
Model	C7061F2001	Ambient range	-40 to 175 degF
Housing	Explosion proof	Self-check mechanism	Mechanical shutter
Supply	120 VAC, 50/60 Hz	Field service	Replaceable UV sensing tube and quartz viewing window
Mounting connection	1 inch NPT		

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TECHNICAL NOTE

Install C7061F2001 only in its documented Honeywell flame safeguard position. Preserve the exact interfaces, wiring and configuration, then verify diagnostics and ultraviolet flame supervision in an explosion-proof detector housing under controlled conditions.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

C7061F2001 Dynamic Self-Check UV Flame Detector

Provides ultraviolet flame supervision in an explosion-proof detector housing in the approved

Installed-system maintenance

Preserves the documented slot, termination, wiring and configuration during replacement.

Controlled commissioning

Restores power and signals in the approved sequence and reviews diagnostics.

Acceptance verification

Confirms the intended channel, network or safety function before release.

PRODUCT PRECAUTIONS

1

Confirm the complete C7061F2001 identity on the hardware and maintenance record.

2

Place the affected Honeywell flame safeguard process in the approved maintenance state.

3

Record the installed position, connectors, terminals, wiring and configuration before removal.

4

Isolate all documented power and field energy and apply ESD controls where required.

5

Inspect the replacement identity, revision, interfaces and mating hardware before installation.

6

Restore every conductor, cable, power path and configuration value to the approved record.

7

Review host, module, channel or network diagnostics after controlled energization.

8

Perform a controlled test that proves ultraviolet flame supervision in an explosion-proof detector housing

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ENGINEER FAQ

Q1 What flame spectrum is detected by C7061F2001?

It senses ultraviolet radiation from the monitored flame.

Q2 Why does C7061F2001 include a shutter?

The mechanical shutter interrupts the UV path so the flame-safeguard system can check detector response.

Q3 Which enclosure execution is C7061F2001?

It is the explosion-proof C7061F model.

Q4 What supply is required by C7061F2001?

The detector uses 120 VAC at 50 or 60 Hz.

Q5 Which process connection is used by C7061F2001?

The mounting connection is 1 inch NPT.

Q6 How long are the integral leads on C7061F2001?

The lead length is 8 ft, or 96 in.

Q7 What ambient range applies to C7061F2001?

The listed range is -40 to 175 degF.

Q8 What must be checked before returning C7061F2001 to service?

Verify sighting, mounting, wiring, shutter action, flame signal and safe shutdown response with the burner in a controlled state.

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SOURCE Honeywell Flame Sensors Cross Reference 70-8317 | Honeywell manufacturer publication

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