

FC-QPP-0002

Quad Processor Pack control processor

Honeywell FC-QPP-0002 is the Quad Processor Pack control-processor module for Safety Manager. It uses 24 V DC and 5 V DC supplies and provides shutdown input and watchdog output interfaces for the controller architecture.

BRAND	Honeywell	ORIGIN	USA
MODEL	FC-QPP-0002	HS CODE	8537101190
FAMILY	Safety Manager	SHIP FROM	Xiamen, Fujian, China

MANUFACTURER SOURCE RECORD

Safety Manager Hardware Reference
EP-SM.MAN.6284 Issue 1.10; QPP-0002 datasheet version 1.1

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FC-QPP-0002

Product Overview

SYSTEM FUNCTION

Honeywell FC-QPP-0002 is the Quad Processor Pack control-processor module for Safety Manager. It uses 24 V DC and 5 V DC supplies and provides shutdown input and watchdog output interfaces for the controller architecture.

FUNCTION 1

Safety Manager Quad Processor Pack

FUNCTION 2

Dual 24 V and 5 V supply domains

FUNCTION 3

Protected shutdown input/output circuits

FUNCTION 4

Watchdog outputs rated 750 mA each

TECHNICAL NOTE

Record the FC-QPP-0002 slot, partner processor, 24 V and 5 V supplies, shutdown wiring and watchdog outputs before replacement. Restore the approved controller firmware and application, then prove diagnostics, redundancy and safety logic before release.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE
Module type	Quad Processor Pack
Outside operating temperature	-5 to +70 °C
Inside operating temperature	-5 to +85 °C
Storage temperature	-40 to +85 °C
Relative humidity	10-95% non-condensing
24 V supply	24 V DC -15% / +30%; 25 mA max
5 V supply	5 V DC ±5%; 1.2 A max
Shutdown output	15-31 V DC; continuous short-circuit protection
Shutdown input high	15-32 V DC
Shutdown input low	Below 4 V; reverse-polarity protected
Watchdog output current	750 mA per output
Approvals	CE, UL, CSA, TUV and FM

ENGINEERING BOUNDARY

Record the FC-QPP-0002 slot, partner processor, 24 V and 5 V supplies, shutdown wiring and watchdog outputs before replacement. Restore the approved controller firmware and application, then prove diagnostics, redundancy and safety logic before release.

Acceptance Path

1 IDENTITY

FC-QPP-0002 and revision recorded

2 POWER

24 V and 5 V rails accepted

3 DIAGNOSTICS

Processor and redundancy healthy

4 SAFETY PROOF

Shutdown and watchdog tests passed

Applications and Engineering FAQ

APPLICATION	ENGINEERING CONTEXT
Safety controller processing	Executes the approved Safety Manager application and diagnostic functions.
Redundant processor maintenance	Restores a recorded processor position while preserving partner state.
Shutdown-path supervision	Interfaces the documented shutdown input and protected shutdown output.
Watchdog signaling	Provides configured watchdog output paths for system supervision.

Model-Specific FAQ — Part 1

QUESTION	ANSWER
Which two supply domains are required by FC-QPP-0002?	It uses 24 V DC and 5 V DC supplies.
What 5 V current limit is published for FC-QPP-0002?	The maximum 5 V supply current is 1.2 A.
What high-state range applies to the shutdown input on FC-QPP-0002?	The documented high input range is 15-32 V DC.
How is the low shutdown input protected on FC-QPP-0002?	Below 4 V is the low state and reverse-polarity protection is documented.

FAQ, Related Products and Source

QUESTION	ANSWER
Is the shutdown output of short-circuit protected FC-QPP-0002?	Yes. Continuous short-circuit protection is documented.
What watchdog current is available from FC-QPP-0002?	Each watchdog output is rated 750 mA.
Which approvals are listed for FC-QPP-0002?	The hardware reference lists CE, UL, CSA, TUV and FM.
What evidence closes a replacement of FC-QPP-0002?	Record supplies, firmware, application checksum, diagnostics, redundancy, shutdown path and watchdog tests.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Honeywell 80363972-100	Open product page
Honeywell 80363972-150	Open product page
Honeywell 80363975-100	Open product page
Honeywell 80363975-150	Open product page
Honeywell 8c-ip0101-51454362-175	Open product page
Honeywell 8c-paih51-51454352-175	Open product page
Honeywell 8c-paiha1-51454470-275	Open product page
Honeywell 8c-pain01-51454356-175	Open product page

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