

Installation Identity and Scope

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.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	FC-QPP-0002
Manufacturer	Honeywell
Hardware type	Quad Processor Pack control processor
System family	Safety Manager
Official source	EP-SM.MAN.6284 Issue 1.10; QPP-0002 datasheet version 1.1

CONTROLLED ENGINEERING COPY

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.

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FC-QPP-0002

Pre-Installation Plan

NO.	REQUIRED ACTION
1	Verify the complete FC-QPP-0002 marking and revision before work.
2	Place affected safety functions in the approved maintenance state.
3	Record both 24 V DC and 5 V DC supply measurements.
4	Record shutdown input, shutdown output and watchdog terminal assignments.
5	Use ESD controls and protect backplane connectors.

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	FC-QPP-0002
Physical interface	Safety Manager controller chassis and backplane
Companion check	24 V DC and 5 V DC supplies
Configuration	Shutdown and watchdog field interfaces
Functional proof	Approved firmware, application and proof-test record

RELEASE HOLD POINT

Do not disturb the installed device until the exact marking, connections, companion hardware and configured function are documented.

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Identity	Record FC-QPP-0002, revision and slot.
Partner	Record redundant-processor identity and state.
Supplies	Measure 24 V and 5 V rails at the documented points.
Shutdown input	Record polarity and high/low behavior.
Shutdown output	Verify voltage range and short-circuit status.
Watchdog	Record each configured watchdog output load.
Configuration	Restore firmware and approved application.
Release	Complete diagnostics, redundancy and safety proof tests.

CONFIGURATION 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.

Expected Technical Values

PARAMETER	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

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	FC-QPP-0002 and revision recorded
Power	24 V and 5 V rails accepted
Diagnostics	Processor and redundancy healthy
Safety proof	Shutdown and watchdog tests passed

Technical Questions to Resolve

QUESTION	ENGINEERING 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.

Source, Related Products and Release

MODEL	APTER POWER PAGE
Honeywell 620-0036	Open product page
Honeywell 621-1100rc	Open product page
Honeywell 621-2100r	Open product page
Honeywell 621-2200rc	Open product page
Honeywell 621-9934c-563640	Open product page
Honeywell 621-9937	Open product page
Honeywell 621-9937c	Open product page
Honeywell 621-9940c	Open product page

MANUFACTURER SOURCE RECORD

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

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	FC-QPP-0002 recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
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