



Honeywell TK-PRS022 51404305-575

Experion PKS C200E Control Processor

Product scope

- Executes deterministic Experion PKS control strategies in the CEE.
- Supports single or fully redundant controller configurations.
- Coordinates multiple Honeywell I/O families and industrial protocols.
- Is officially phased out with C300 or UOC identified as the migration path.

Manufacturer source

Honeywell C200/C200E official product page and January 2023 System HINTS.

The enclosed record and retained manufacturer pages identify the exact product and explain its function, operating principle, application and critical matching requirements.

Request a fast quote	Product reference	
Email: info@apterpower.com Phone: +86 18106909650 apter.com/inquiry.php	Honeywell TK-PRS022 51404305-575	

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Experion PKS C200E Control Processor

Manufacturer-source product record

This record consolidates exact-model facts from the manufacturer references listed below. It is included to identify the ordering configuration before the retained source pages.

Official designation	C200E Control Processor
Control environment	Deterministic Control Execution Environment (CEE)
Configuration	Single or fully redundant controller implementation
Supported I/O families	Series A I/O, Rail A I/O, Rail H I/O and Process Manager I/O
Supported protocols	FOUNDATION Fieldbus, PROFIBUS, DeviceNet and HART through the documented system interfaces
Supported I/O modules	64
Operating temperature	0 to 60 deg C
Storage temperature	-40 to 85 deg C
Power requirements	+3.3 V DC at 1 A and +5 V DC at 1.5 A
Lifecycle	Phased out since 31 December 2020; Honeywell lists C300 or UOC as the upgrade path

Official references

- Honeywell C200/C200E official product page and January 2023 System HINTS.
- Official source:
<https://process.honeywell.com/us/en/products/process-automation/distributed-control-systems-dcs/experion-pks/controllers/c200-c200e>
- Official source:
https://process.honeywell.com/content/dam/process/en/documents/document-lists/doc_list_hints/2023/2023-January-System%20HINTS.pdf

Only the exact configuration shown above is represented. Adjacent model variants, optional assemblies and system accessories are not treated as part of this ordering identity.

Function, operating principle and application

The notes below explain how this product is used and how its documented signal, power or control path operates. They remain limited to the manufacturer evidence for this model.

Control function

The C200E executes Experion PKS control strategies in the CEE, using a library of control, data-acquisition and calculation function blocks for continuous and batch applications.

Operating principle

The configured CEE is loaded into controller memory and schedules each strategy on a constant, predictable cycle. Embedded alarm and maintenance attributes remain associated with their function blocks during execution.

Batch and redundancy role

C200E extends the original C200 platform with additional memory and capability, including support for Experion Batch Manager and ISA S88.01 batch control in a redundant controller arrangement.

System integration

The processor coordinates the configured I/O and communications families through the Experion architecture. Exact chassis, redundancy module, firmware release and I/O mapping must match the installed node.

Migration planning

Because Honeywell has phased out the C200/C200E family, replacement planning should preserve the CEE strategy database and verify the supported migration path to C300 or UOC before hardware substitution.

Model Number	Description	Model Number	Description
TC-ODD321	DC OUTPUT 24VDC 32PT	TK-ODX081	120vac, 8 pt (diagnostic), coated
TC-ODE081	DC OUTPUT 48VDC 8 PT	TK-ODX161	10 - 30vdc, 16 pt (diagnostic), coated
TC-ODF081	DC OUTPUT 125VDC 8 PT ISOLATED	TK-PRR021	REDUNDANCY MODULE COATED
TC-ODK161	AC OUTPUT 120/220VAC 16 PT	TK-PRS021	C200 CONTROL PROCESSOR, COATED
TC-ODX081	AC OUTPUT 120 VAC 8 PT DIAG	TK-PRS022	C200E Control Processor
TC-ODX161	DC OUTPUT 10-30 VDC 16 PT DIAG	TK-ZLCSR1	LIOM Module
TC-ORC081	RELAY OUT 8 NO & 8 NC		

Safety Manager SC R212.1

Safety Manager SC software release R212.1 has been released and is available for shipment.

The SIL3 certified Safety Manager SC combines the sleek Series C style and function in a platform providing a compact footprint, efficient installation and maintenance, and long product lifecycle. The new form factor benefits, extend to multiple modules such as the S300 Safety Controller, Universal Safety I/O module and Safety Digital I/O module. Safety Manager SC is therefore a modular, fault-tolerant system, capable of solving the most challenging safety applications in the process industry. The system also meets the latest cyber security industry standards as it is ISA Secure Level 2 certified.

Safety Manager SC R212.1 contains several new features and functions. The most important are highlighted below:

- Support for wellhead applications - DNP3 outstation protocol.
- New Controller Module (FC-SCNT02)
- Security improvements.
- Safety Tools enhancements.
- Safety Builder enhancements.

More details about the new features can be found in the R212.1 Software Change notice (SCN).

Current users of Safety Manager SC are advised to upgrade to R212.1 or at least use a supported software version. The status of the various Safety Manager SC software releases is available in the Safety System Software Support Guidelines. This document can be found at the Honeywell Process Solutions support portal:

<https://process.honeywell.com/us/en/home> (login is required).

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