

IC695ALG728

RX3i 8-Channel Analog Output Module with HART

Emerson IC695ALG728 provides eight configurable current or voltage output channels with HART 5.0 communications. It is designed for an RX3i Universal Backplane with external isolated 24 VDC field

PRODUCT SNAPSHOT

BRAND
Emerson

FAMILY
PACSystems RX3i I/O

PART
IC695ALG728

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

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PRODUCT OVERVIEW

IC695ALG728 provides HART-capable analog current and voltage output control for a matched PACSystems RX3i I/O installation.

Exact catalog identity IC695ALG728

RX3i 8-Channel Analog Output Module with HART

Documented role: HART-capable analog current and voltage output control

Controlled installation, diagnostics and functional verification

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SYSTEM COMPONENTS

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

ENGINEERING CONTEXT

The component remains matched to the documented RX3i slot or carrier, terminal assembly, field power and engineering configuration. Commissioning preserves the installed architecture and verifies controlled response.

TECHNICAL DATA

PARAMETER	VALUE
Output channels	8
Current ranges	0–20 mA and 4–20 mA
Voltage ranges	±10 V and 0–10 V
HART	Version 5.0 on each channel; 4–20 mA range required
Minimum CPU firmware	RX3i CPU firmware 3.5
Configuration software	PAC Machine Edition 5.0 SP3 or later

PARAMETER	VALUE
Field power	External isolated 24 VDC
Backplane	RX3i Universal Backplane
Configuration	Software configurable; no jumpers
Output behavior	Configurable hold-last-state or output defaults
Diagnostics	Module fault reporting and on-board error checking
Compatible terminal blocks	IC694TBB032, TBB132, TBS032 or TBS132

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TECHNICAL NOTE

Install IC695ALG728 only in the documented PACSystems RX3i I/O position. Preserve the as-found terminal, point and configuration records; then verify diagnostics and HART-capable analog current and voltage output control under controlled conditions.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

PACSystems RX3i planned maintenance

Restores HART-capable analog current and voltage output control in the documented control architecture.

RX3i 8-Channel Analog Output Module with HART replacement

Uses exact IC695ALG728 identity instead of an adjacent I/O or CPU execution.

Control-system refurbishment

Preserves the installed slot, terminal block, point map, power and engineering configuration.

Controlled recommissioning

Confirms diagnostics and the affected signal or control function before automatic operation.

PRODUCT PRECAUTIONS

1

Confirm the complete IC695ALG728 marking, module designation and documented RX3i installation position.

2

Place the controller, machine and connected process in the approved maintenance state.

3

Isolate controller and field power, prove the safe state and apply ESD controls before handling.

4

Record the slot, terminal block, every point assignment, common, shield and connected circuit before removal.

5

Verify the official electrical and configuration values documented for IC695ALG728; do not infer adjacent

6

Restore the approved backplane or carrier, terminal block, field power and engineering configuration.

7

Energize in the manufacturer sequence and review CPU, bus, module and channel diagnostics.

8

Complete a controlled signal, output or controller-response test before service release.

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ENGINEER FAQ

Q1 How is IC695ALG728 distinguished from adjacent RX3i catalog numbers?

Match the complete IC695ALG728 marking, the RX3i 8-Channel Analog Output Module with HART designation and its recorded slot or carrier position.

Q2 What function is assigned to IC695ALG728 in the documented system?

The module provides HART-capable analog current and voltage output control in the matched PACSystems RX3i I/O installation.

Q3 What is the official output channels for IC695ALG728?

Emerson documents output channels as 8; verify that value against the installed execution before work.

Q4 Which current ranges applies to IC695ALG728?

The official value is 0–20 mA and 4–20 mA. Preserve the corresponding power, signal or controller configuration.

Q5 How should the documented voltage ranges be checked on IC695ALG728?

Confirm voltage ranges is ± 10 V and 0–10 V and compare the as-found wiring or configuration with the approved record.

Q6 What evidence is needed for the hart of IC695ALG728?

Record the installed condition and verify the official value Version 5.0 on each channel; 4–20 mA range required during controlled commissioning.

Q7 What must be preserved before replacing IC695ALG728?

Record the slot or carrier, terminal assembly, point assignments, wiring, commons, shields, firmware or configuration state and active diagnostics.

Q8 How is IC695ALG728 accepted after installation?

Restore the documented hardware and point map, review module and controller diagnostics, and perform a controlled test of HART-capable analog current and voltage output control.

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SOURCE Emerson Important Product Information GFK-2373K | Emerson official product and PACSystems documentation, accessed 24 September 2026

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