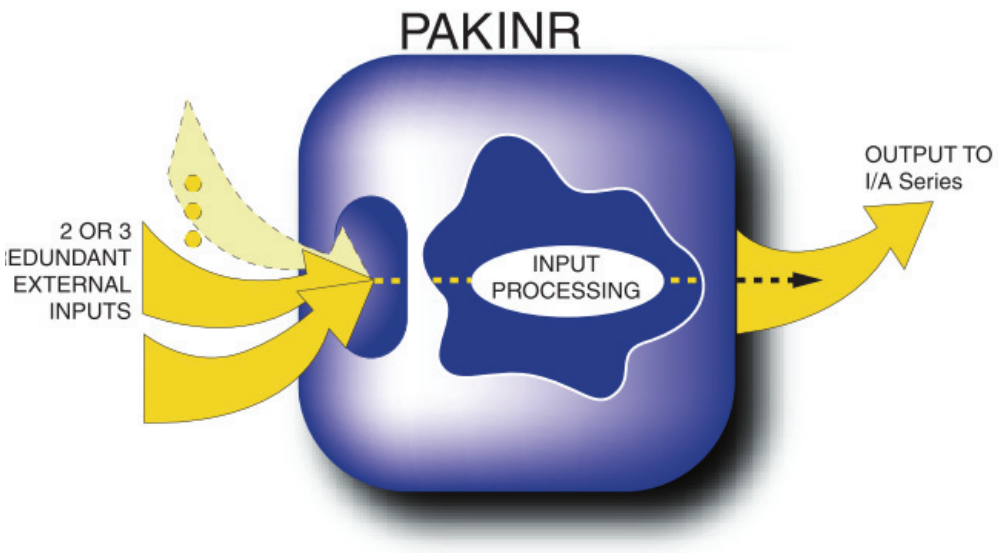
I/A Series® Software

PSS 21S-3Q15 B4

Redundant Packed Input (PAKINR) Block



The Packed Input (PAKIN) block reads up to 32 bits of discrete data from a group address selected from multiple points in the same or different field devices.

OVERVIEW

Redundant Packed Input (PAKINR) is a Distributed Control Interface (DCI) block that runs on a Field Control Processor 270 (FCP270) or Z-module Control Processor (ZCP270). The PAKINR block is primarily used to support point redundancy with Field Device System Integrator (FDSI) devices; however, the block supports connectivity of the FCP270 and ZCP270 to various other bus-resident devices via its general purpose interface.

PAKINR reads up to 32 contiguous bits from an external device. Each bit represents a binary value having opposing states, such as ON/OFF, or START/STOP. The data is then available for distribution to other I/A Series blocks.

The source of the value may be specified as either two or three redundant points in the same device or different devices.

The block's selection algorithm is invoked to determine which one of the two or three inputs is to be assigned to the block's output parameter.

The block includes a simulation option for testing of the control strategy without acquisition of the value from the field.

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FEATURES

- Reads one packed count input value from two or three redundant inputs
- Makes the selected input available in the PAKCIN parameter
- Provides the option of selecting two or three redundant sources
- Time stamps the selected output
- Makes individual bits of packed long input connectable to blocks and displays
- Provides the option to simulate input from the field
- Performs all necessary bit and/or byte reversals between the device and I/A Series representations

PRINCIPAL PARAMETERS

Input

- 1 string of group addresses selected from redundant sources

Output

- 1 packed long output of the selected point

SUPPORT

The PAKINR block is supported on the FCP270 and ZCP270 running I/A Series system software V8.4 or later, and hosting FDSI FBMs and/or other DIN rail mounted FBMs.

The block can be used by other DIN rail mounted FBMs that support the DCI blocks.

Refer to following product specification sheets for details:

- *Field Control Processor 270 (FCP270)* (PSS 21H-1B9 B3)
- *Z-Module Control Processor 270 (ZCP270)* (PSS 21H-1B10 B3)
- *FBM230 Field Device System Integrator Module, Four Serial Ports, Single* (PSS 21H-2Z30 B4)
- *FBM231 Field Device System Integrator Module, Four Serial Ports, Redundant* (PSS 21H-2Z31 B4)
- *FBM232 Field Device System Integrator Module, 10/100 Mbps Ethernet, Single* (PSS 21H-2Z32 B4)
- *FBM233 Field Device System Integrator Module, 10/100 Mbps Ethernet, Redundant* (PSS 21H-2Z33 B4)

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