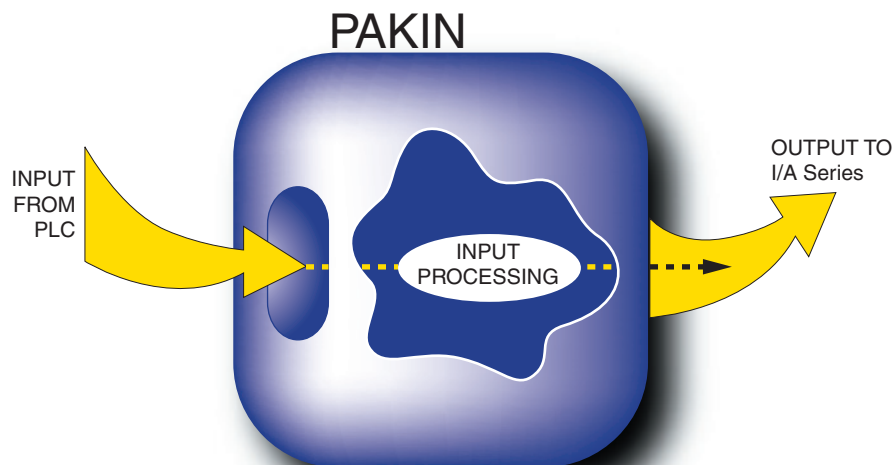


I/A Series® Software

PSS 21S-3Q7 B4

Packed Input (PAKIN) Block



The Packed Input (PAKIN) block reads up to 32 bits of discrete data from a group address in an Allen-Bradley™ Programmable Logic Controller (PLC™). 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.

OVERVIEW

The Packed Input (PAKIN) block is used in applications where the PLC provides the binary data values to the I/A Series system for use in a Display Manager, FoxView™ display, or connection to a Foxboro control strategy. The data values may originate either in the PLC ladder logic or in a panel display, which is typically mounted in the process area. The input data is read from a group address and presented as a single packed long parameter. Individual bits of this parameter may be connected to other blocks or displays.

PAKIN does not support a Manual mode.

The Packed Input option determines whether the PAKIN inputs are accepted from the PLC or not.

PAKIN does not support any alarm detection or reporting capability.

FEATURES

- ▶ Operation in Auto mode at all times
- ▶ Specification of PLC group address as device-specific string
- ▶ Individual bits of packed long input connectable to blocks or displays
- ▶ Option to inhibit taking inputs from the PLC
- ▶ All necessary bit and/or byte reversals between the PLC and I/A Series representations automatically performed.

CP270 (WITH I/A SERIES V8.4 OR LATER) ADDITIONAL FEATURES

- ▶ Simulation option allows PAKIN to run without actual DCI connections to field devices.
- ▶ Workstation lock. Set requests to any of PAKIN's parameters (subject to the usual access rules) may be restricted to a specific workstation which locks the block.

PRINCIPAL PARAMETERS

Input

- ▶ 1 string of group addresses from which input is derived

Output

- ▶ 1 packed long output from a group address in a PLC.

SUPPORT

PAKIN is a PLC block which allows the following I/A Series equipment to interface Allen-Bradley PLCs:

- ▶ AW70 processors with control software (see 70 Series Application Workstation Model AW70 [PSS 21H-4U1 B3])
- ▶ AW51 Integrators (see 50 Series Application Workstation Model AW51 [PSS 21H-4R1 B3])
- ▶ Micro-I/A Station (see Field Automation Subsystem Micro-I/A™ Allen-Bradley PLC5/E Remote I/O Interface [PSS 21H-6C6 B4])
- ▶ Allen-Bradley Station (see Allen-Bradley Station [PSS 21H-1F1 B3]).

PLC blocks are supported on I/A Series software version 6.2 or later. Value points for PLC blocks are listed in Micro-I/A FoxBlock™ Integrated Control Software (PSS 21H-6C1 B4).



33 Commercial Street
Foxboro, MA 02035-2099
United States of America
www.foxboro.com
Inside U.S.: 1-866-746-6477
Outside U.S.: 1-508-549-2424
or contact your local Foxboro
representative.
Facsimile: 1-508-549-4999

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