EcoStruxure™

Foxboro™ DCS

Packed Input (PAKIN) Block

PSS 41S-3PAKIN

Product Specification

May 2019

PAKIN

INPUT
FROM
PLC

INPUT
PROCESSING

OUTPUT TO
FOXBORO DCS

Schneider Electric
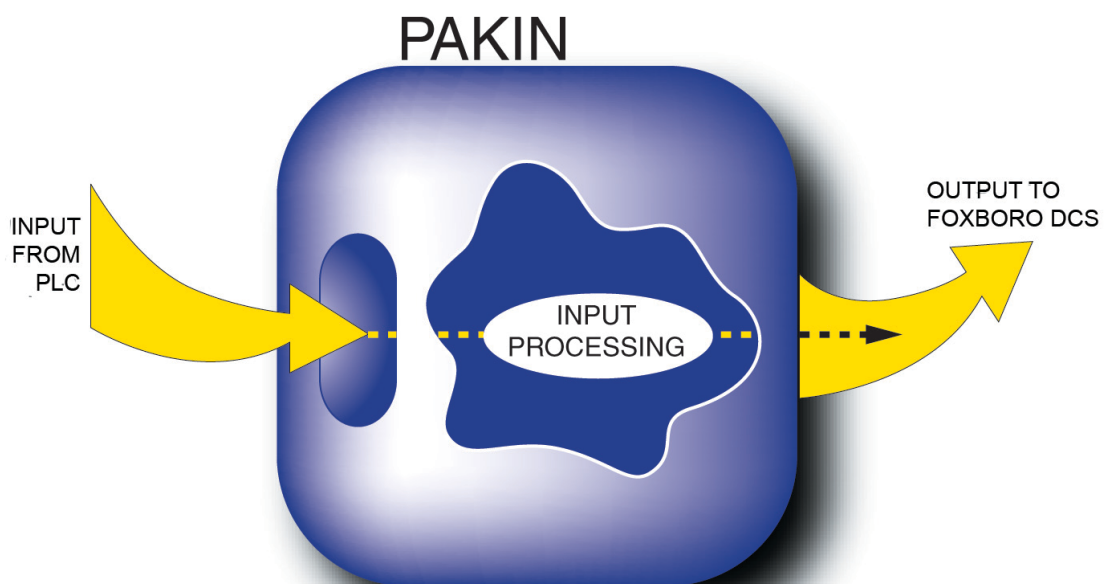
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Overview

The Packed Input (PAKIN) block reads up to 32 bits of discrete data from a group address in a 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 Foxboro™ DCS blocks.

The Packed Input (PAKIN) block is used in applications where the PLC provides the binary data values to Foxboro DCS for use in a user interface 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 Foxboro DCS representations automatically performed
- 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

- A source address in the PLC memory from which the input is obtained

Output

- A packed long output parameter

Support

PAKIN is a DCI block that allows the Foxboro DCS to interface to PLCs. For the FCP280 this is accomplished through FDSIs. The FDC280 does not require FDSI modules.

⚠ **WARNING**: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.p65warnings.ca.gov/.