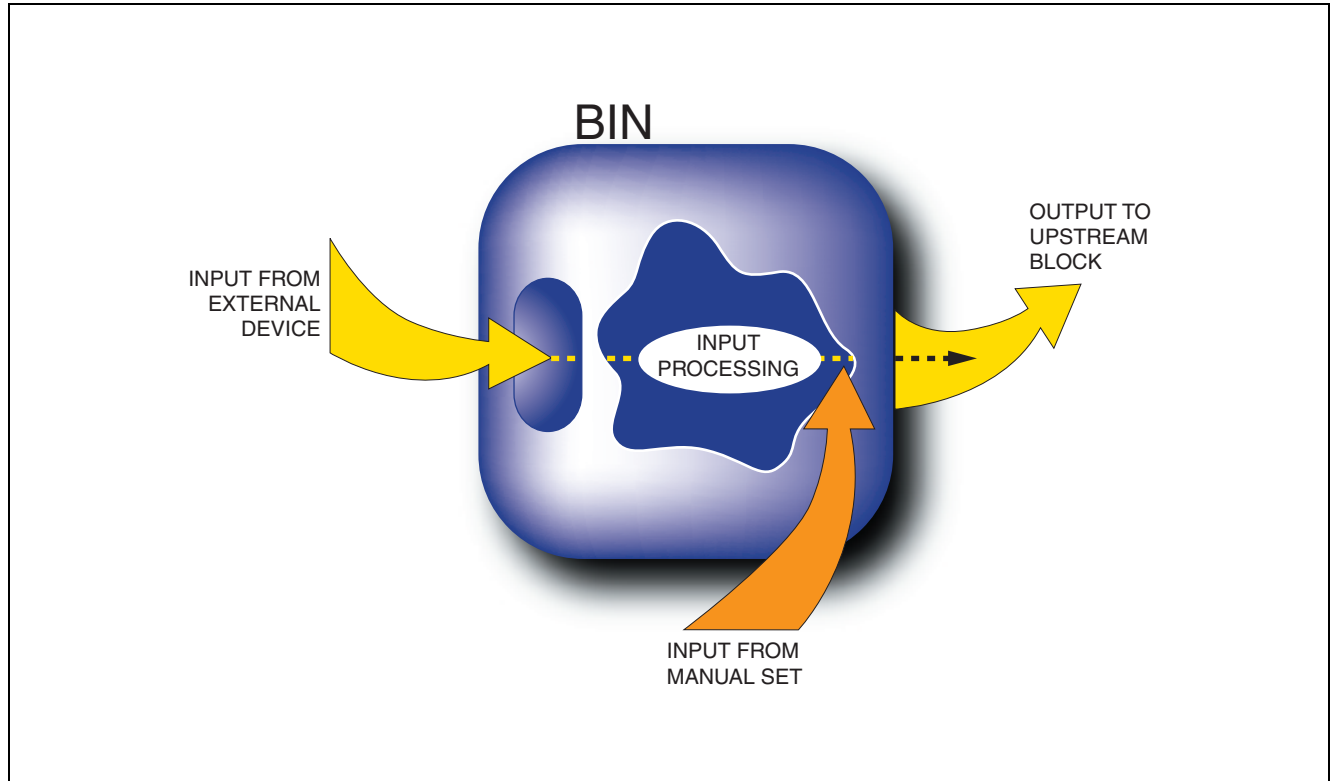


I/A Series® Software

Binary Input (BIN) Block



The Binary Input (BIN) block provides the control strategy with the capability to read a single binary value which has two states, such as ON/OFF or START/STOP, from an address in an Allen-Bradley™ Programmable Logic Controller (PLC™).

OVERVIEW

The Binary Input block (BIN) is used in applications where the PLC provides the binary data value to the I/A Series system for use in a Display Manager or FoxView™ display or connection to a Foxboro control strategy. The data value may originate either in the PLC ladder logic or in a panel display, which is typically mounted in the process area.

BIN always reads its input from the PLC address, whether the block is in Auto or Manual mode. However, in Manual mode, you can set the value of the output.

BIN does not provide any alarm detection or reporting capabilities.

Features

- Reads a single binary value from the PLC
- Manual/Auto control of the block output signal; can be initiated by a host process or another block
- Support for operator sets in Manual mode
- Specification of PLC source point as a device-specific string.

Principal Parameters

Input

- 1 binary input point from PLC
- Manual/Auto control mode switching

Output

- 1 binary output point, derived from the PLC in Auto mode, or set by operator in Manual mode.

SUPPORT

BIN 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).

The Foxboro Company

33 Commercial Street
Foxboro, Massachusetts 02035-2099
United States of America

<http://www.foxboro.com>

Inside U.S.: 1-508-543-8750 or 1-888-FOXBORO (1-888-369-2676)

Outside U.S.: Contact your local Foxboro representative.

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