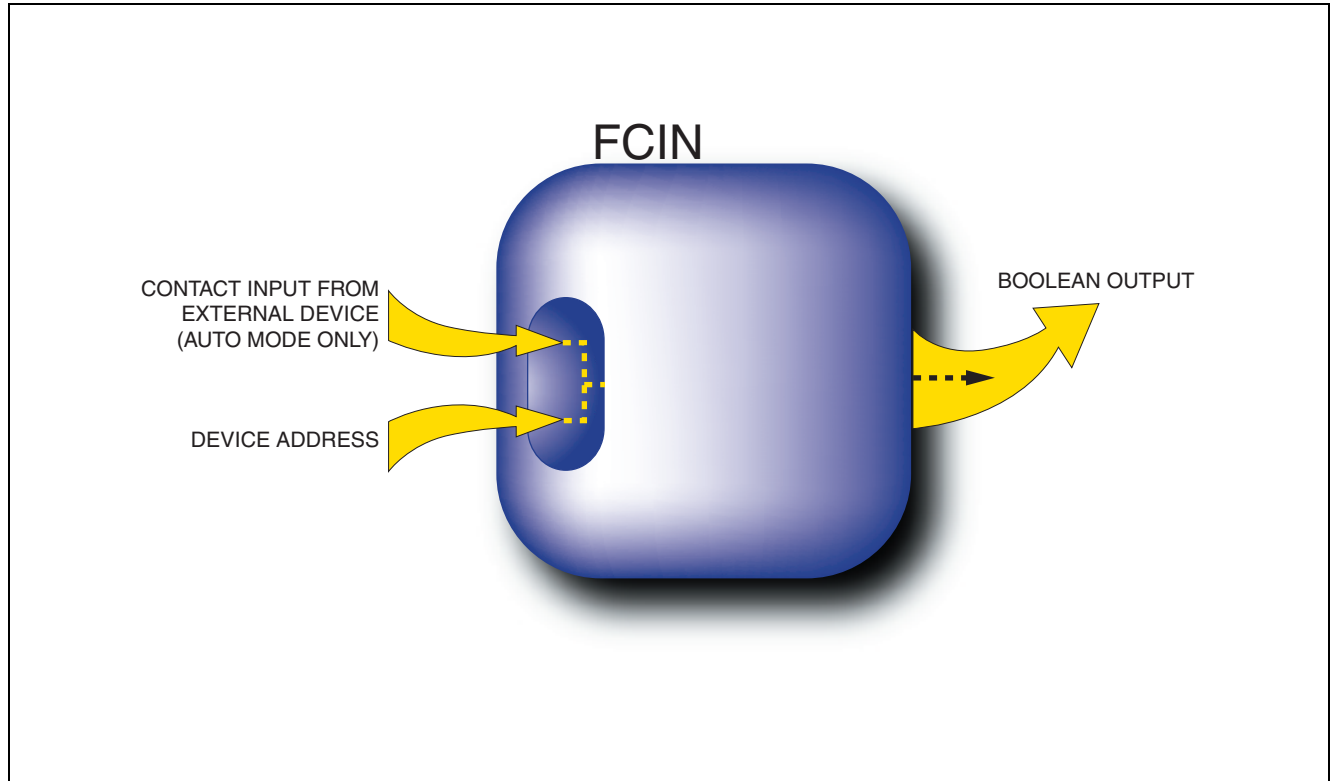


I/A Series® Software

Foreign Device Contact Input (FCIN) Block



The Foreign Device Contact Input (FCIN) block supplies the control strategy or operator interface with a single Boolean, or contact, value received real-time from a PROFIBUS™-DP or Modbus™ remote I/O device via a Micro-I/A™ Station, or from a foreign device via an I/O gate. The block supports Auto/Manual control.

OVERVIEW

The Foreign Device Contact Input (FCIN) block writes a Boolean value received from its applicable field device to its output during every execution.

FCIN can accept values from:

- PROFIBUS-DP or Modbus remote I/O devices via a Micro-I/A Station
- foreign (third-party) devices⁽¹⁾ via an I/O gate.

As long as the block is in Auto and no error conditions exist, the value is moved from the block's raw value storage to the connectable output.

When the block is in Manual, the processing of field device data is suspended and the input is not retrieved by the block.

⁽¹⁾ Refer to *DDE I/O Gate* (PSS 21S-3A4 B3) for an explanation on how an I/O gate interfaces foreign devices.

Features

- Reads a single Boolean value from applicable field device
- Manual/Auto control of the block output signal; can be initiated by a host process or another block
- Supports a series of validation checks to ensure process is on-line before block initialization
- Specification of source point for a PROFIBUS-DP or Modbus remote I/O device, or for a foreign device.

Principal Parameters**Input**

- 1 Boolean input derived from applicable field device, in Auto mode
- Manual/Auto control mode switching

Output

- 1 Boolean output to I/A Series control strategy.

SUPPORT

FCIN allows the following equipment to interface the applicable field devices:

- AW70 processors with control software (see *70 Series Application Workstation Model AW70* [PSS 21H-4U1 B3])
- AW51 processors (see *50 Series Application Workstation Model AW51* [PSS 21H-4R1 B3])
- Micro-I/A Station (see *Field Automation Subsystem Micro-I/A PROFIBUS-DP Remote I/O Interface* [PSS 21H-6C4 B4] or *Field Automation Subsystem Micro-I/A Modbus Remote I/O Interface* [PSS 21H-6C5 B4])
- I/O gate (see *DDE I/O Gate* [PSS 21S-3A4 B3]).

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