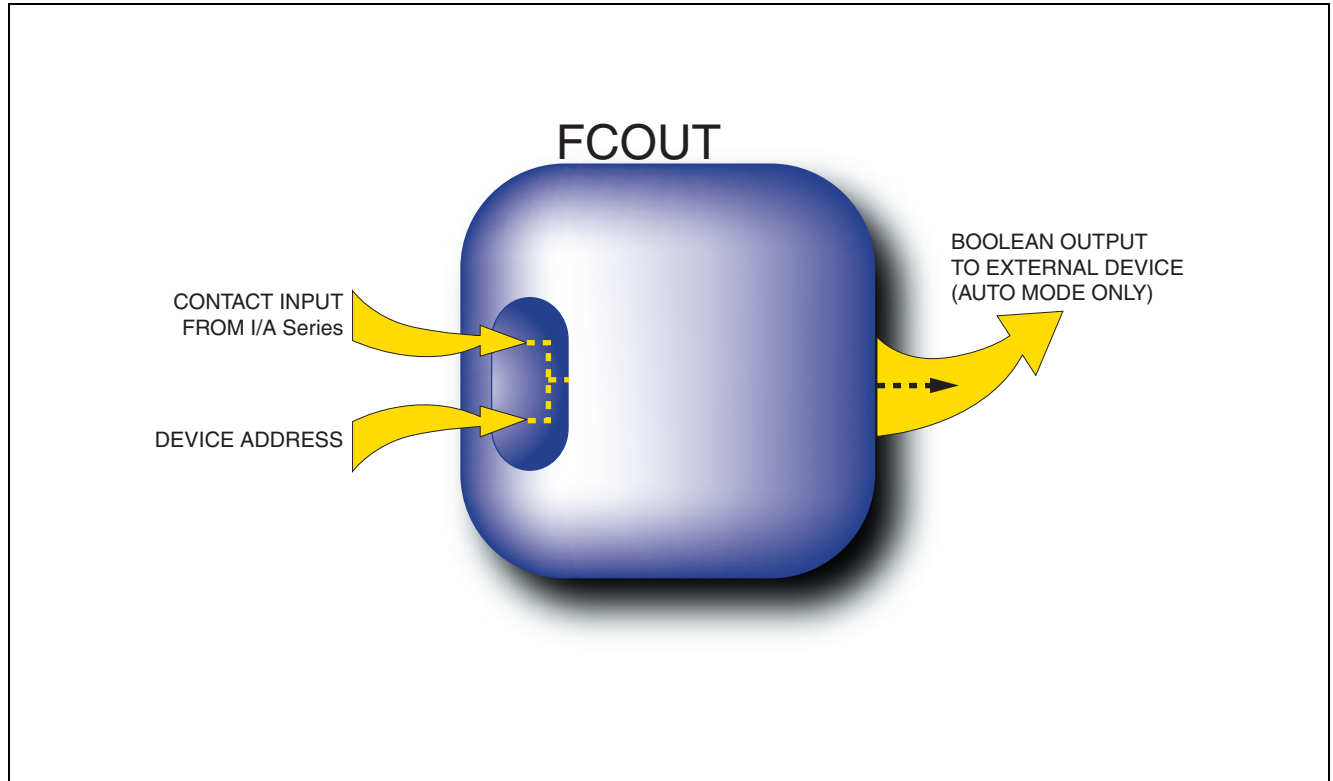


I/A Series® Software

Foreign Device Contact Output (FCOUT) Block



The Foreign Device Contact Output (FCOUT) block provides the control strategy with output capability for Boolean or contact data in real time to a PROFIBUS™-DP or Modbus™ remote I/O device via a Micro-I/A™ Station, or to a foreign device via an I/O gate. The block supports Auto/Manual control.

OVERVIEW

The Foreign Device Contact Output (FCOUT) block sends the contact value received from the I/A Series control strategy to its applicable field device, only when it receives a changed value. The block can be configured to perform output once, change driven only, or during every execution regardless of input changes.

FCOUT can provide values to:

- 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 connectable input parameter and sent to the Micro-I/A Station or I/O gate for delivery to the field device.

When the block is in Manual, processing of I/A Series data is suspended and the input is not sent to the field device 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

- Sends a single Boolean value to 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 I/A Series control strategy
- Manual/Auto control mode switching

Output

- 1 Boolean output to applicable field device, in Auto mode.

SUPPORT

FCOUT 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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