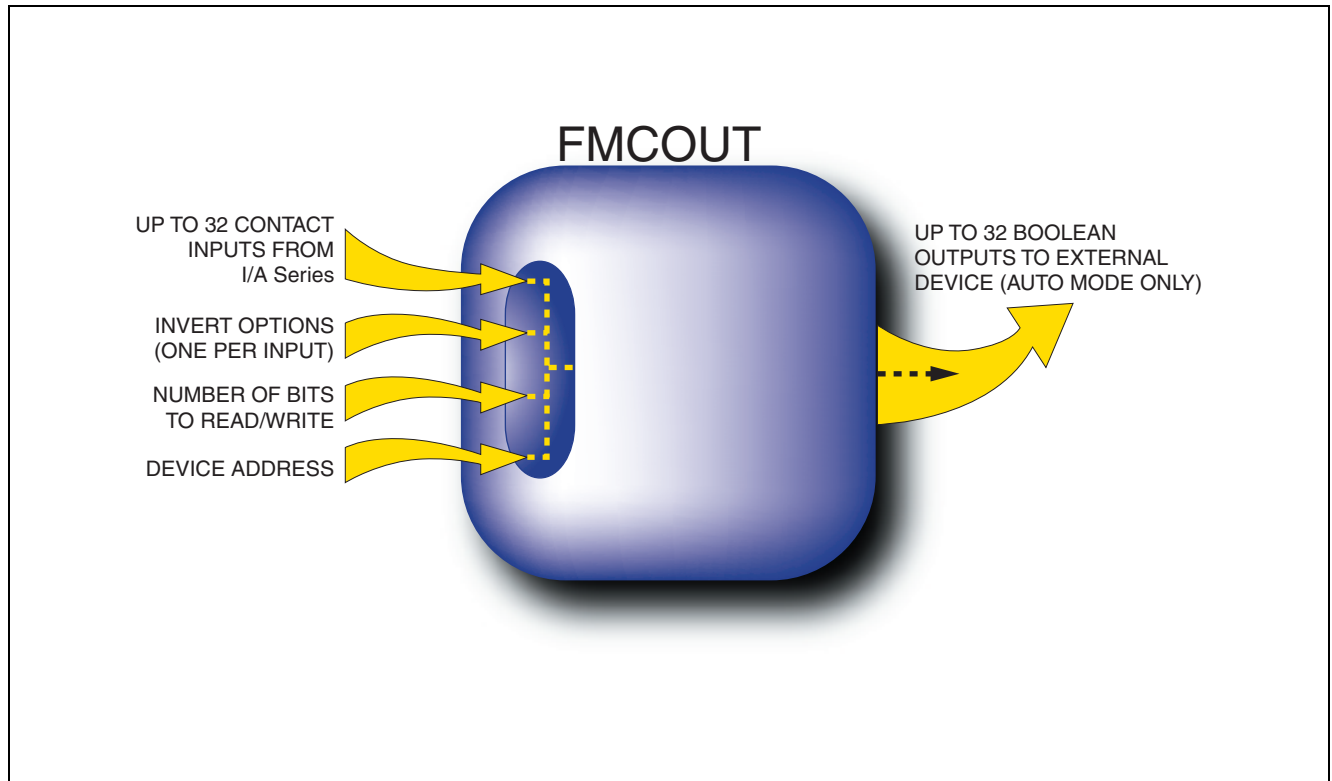


I/A Series® Software

Foreign Device Multi-Contact Output (FMCOUT) Block



The Foreign Device Multi-Contact Output (FMCOUT) block provides the control strategy with output capability for up to 32 Boolean or contact values 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 Multi-Contact Output (FMCOUT) block sends the contact values received from the I/A Series control strategy to its applicable field device (in a packed output), only when it receives one or more changed values. You can configure the number of significant bits to be read. The block can be configured to perform output once, change driven only, or during every execution regardless of input changes.

FMCOUT 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 values are moved from the block's connectable input parameters and sent to the Micro-I/A Station or I/O gate for delivery to the field device. Only the number of bits you specify by are moved.

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

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.

Features

- Sends up to 32 Boolean or contact values to applicable field device
- Optional inversion of Boolean or contact inputs
- 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**

- Up to 32 Boolean or contact inputs, derived from I/A Series control strategy
- Invert option for each input point
- Manual/Auto control mode switching

Output

- Up to 32 Boolean or contact outputs to applicable field device, in Auto mode.

SUPPORT

FMCOU 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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