EcoStruxure™

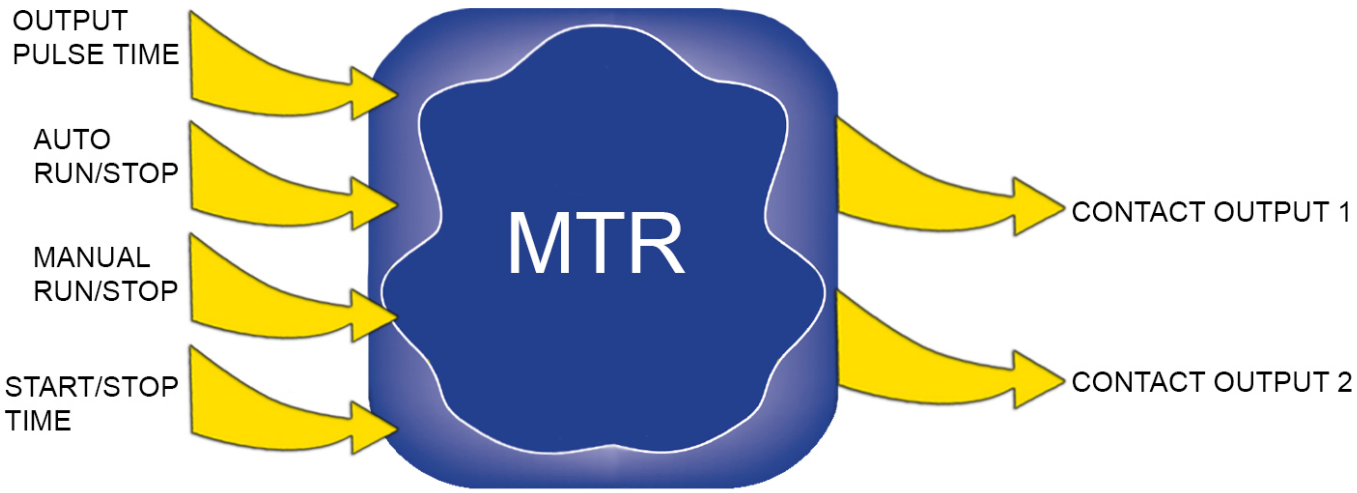
Foxboro™ DCS

Motor (MTR) Control Block

PSS 41S-3MTR

Product Specification

May 2019



Schneider Electric™

Legal Information

Overview

The MTR Control block provides control of 2-wire or 3-wire motor circuits. The 2-wire configuration uses a single sustained output and the 3-wire configuration uses two pulsed outputs.

As a motor controller, the block supports Manual or Auto RUN/STOP capability, as determined by the Manual/Auto state. In Manual, operator RUN/STOP requests are honored. In Auto, RUN/STOP requests from other blocks are honored. For 3-wire motor circuits, the user defines the output pulse width.

Motor status feedback input is used with a timeout alarm parameter. Motor status input originates from a CIN or MCIN block. When the timeout alarm parameter is enabled, alarming occurs when the requested state of the motor does not match the sensed state within the user-specified time interval. A disable mode inhibits MTR block operation to allow local control of field equipment.

The block outputs, contact outputs 1 and 2, are mapped to the physical Fieldbus Module points by specifying the Letterbug identification and physical point numbers of the Fieldbus Module. Both outputs must reside in the same Fieldbus Module. The Fieldbus Module has either sustained or momentary contact outputs. For motor control applications the sustained Fieldbus Module outputs are recommended.

Standard Features

- Manual/Auto control
- State alarming
- Disable input to enable/disable block actions—sets blocks outputs to STOP state — can be used as a permissive input when driven by a local field contact for maintenance or local control functions
- Open-loop indication to upstream blocks
- Bad motor status may inhibit erroneous alarms

Optional Features

- 2-wire or 3-wire configuration

Contact Output States		
	2–Wire	**3–Wire**
Contact Output 1	RUN/STOP	RUN
Contact Output 2	Not Used	STOP

- Inversion for STOP output (contact output 2) applications requiring normally-closed STOP contacts

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/.

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As standards, specifications, and design change from time to time, please ask for confirmation of the information given in this publication.

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