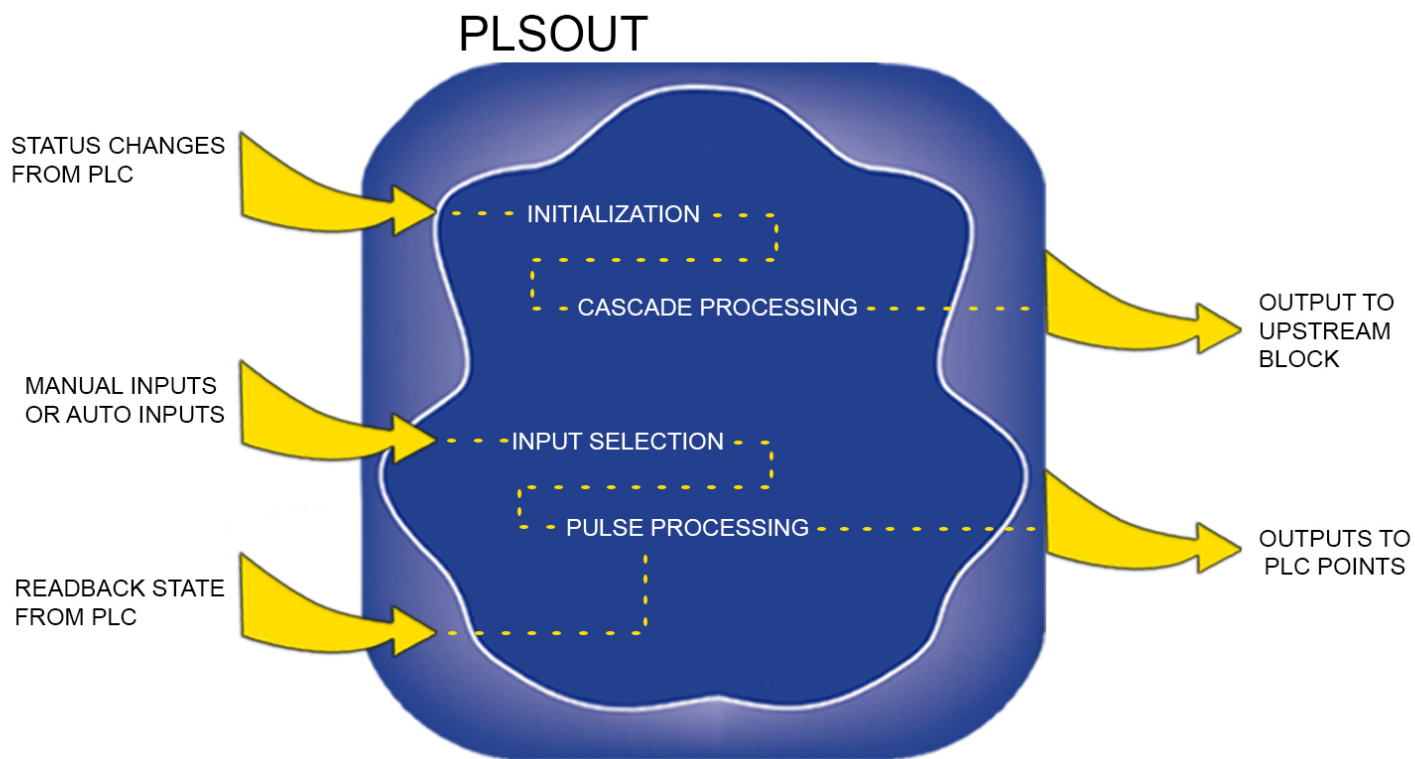


Pulse Output (PLSOUT) Block

PSS 41S-3PLSOUT

Product Specification

May 2019



Legal Information

The Schneider Electric brand and any trademarks of Schneider Electric SE and its subsidiaries referred to in this guide are the property of Schneider Electric SE or its subsidiaries. All other brands may be trademarks of their respective owners.

This guide and its content are protected under applicable copyright laws and furnished for informational use only. No part of this guide may be reproduced or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), for any purpose, without the prior written permission of Schneider Electric.

Schneider Electric does not grant any right or license for commercial use of the guide or its content, except for a non-exclusive and personal license to consult it on an "as is" basis. Schneider Electric products and equipment should be installed, operated, serviced, and maintained only by qualified personnel.

As standards, specifications, and designs change from time to time, information contained in this guide may be subject to change without notice.

To the extent permitted by applicable law, no responsibility or liability is assumed by Schneider Electric and its subsidiaries for any errors or omissions in the informational content of this material or consequences arising out of or resulting from the use of the information contained herein.

Overview

The Pulse Output (PLSOUT) block allows the control strategy or operator to output ON/OFF, or START/STOP, type commands through momentary pulsed outputs on two separate lines, one for each state, to various types of field devices, including Programmable Logic Controllers (PLC™).

The Pulse Output (PLSOUT) block sends commands to the external device in the form of momentary pulsed outputs on two separate lines. Typically, these commands are sent to a latching function in an external device. For example, one command could be sent to the set input of the latch and another sent to the reset input. This technique is useful in applications where multiple sources of commands feed into a single latch in the external device logic.

When in Auto mode, the block accepts transitions at the Input Request parameter to drive the output pulses. In Manual mode, the Set Request and Reset Request parameters drive the output pulses.

The block continuously reads back these output values, and presents the readback values as the confirmed block output.

A limit-switch function in PLSOUT can cause an immediate termination of an active pulse to the external device.

To aid diagnostic testing, the structure of the block output causes the value read back from the external device to be reflected in the block output.

PLSOUT does not provide any alarm detection or reporting capabilities.

Features

- Manual/Auto control of the block output signal; can be initiated by a host process or another block
- Separate block inputs for use in triggering pulses when in Auto and Manual
- Two pulsed outputs to two configured device addresses may be used in set and reset inputs of a latching function
- Continuous readback and display of values at the device addresses
- Limit switch state made available at specific configured device point
- Specific point reserved for tracking notification from the device
- Parameters for future use as open cascade notification to upstream blocks

Principal Parameters

Input

- Input/set/reset binary points


Output

- 2 binary pulse output points
- 1 binary back calculated output

Support

PLSOUT is a block that allows the following Foxboro DCS equipment to interface to external devices:

- FBM230 (see the *FBM230 Field Device System Integrator Module, Four Serial Ports, Single* Product Specification [PSS 41H-2S230])
- FBM231 (see the *FBM231 Field Device System Integrator Module, Four Serial Ports, Redundant* Product Specification [PSS 41H-2S231])
- FBM232 (see the *FBM232 Field Device System Integrator Module, 10/100 Mbps Ethernet, Single* Product Specification [PSS 41H-2S232])
- FBM233 (see the *FBM233 Field Device System Integrator Module, 10/100 Mbps Ethernet, Redundant* Product Specification [PSS 41H-2S233])
- FDC280 (see the *Field Device Controller 280 (FDC280)* Product Specification [PSS 41H-2FDC280])

 **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/.

Schneider Electric Systems USA, Inc.
38 Neponset Avenue
Foxborough, Massachusetts 02035–2037
United States of America

Global Customer Support: <https://pasupport.schneider-electric.com>

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

© 2014–2019 Schneider Electric. All rights reserved.

PSS 41S-3PLSOUT, Rev A