

ACS850

3-WIRE CONTROL WITH FWD/REV JOG

Implementing 3-Wire control with fwd/rev jog in an ACS850.

Note: These instructions assume all mechanical and electrical installation procedures, direction test, and tuning were completed using the ACS850 Hardware and ACS850 Firmware manuals.

This was tested using the factory macro.

Drive Inputs:

Start - Momentary NO Push Button wired to Digital Input 1

Stop – Momentary NC Push Button wired to Digital Input 2

Jog Fwd/Rev – Switch (maintained or momentary) wired to Digital Inputs 3 Fwd & 4 Rev

Jog Enable – Switch (maintained contacts) wired to Digital Input 5

Parameter Settings:

10.01 Ext1 Start Function = 3-Wire

10.02 Ext1 start in1 = DI1

10.03 Ext1 start in2 = DI2

10.07 Jog1 start = DI3

10.08 Jog2 start = DI4

10.09 Jog enable = DI5

21.01 Speed ref1 sel = Desired speed reference

21.07 Speed ref jog1 = Set to desired Fwd Constant Jog Speed Example 500 RPM

21.08 Speed ref jog2 = Set to desired Rev Constant Jog Speed Example -500 RPM

Documents or other reference material:

ACS850 Firmware Manual Standard Control Program Document # 3AUA0000045497

ACS850 Hardware Manuals Document #' 3AUA0000045487, 3AUA0000045496,
3AUA0000081249

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