Electro Cam PS-6144 Quick Start Guide

Basic program settings required for operation of the PS-6144 controller.

1) **Scale Factor**
Determines the number of counts per revolution of the resolver. The factory default is 360.
To change Scale factor: In the Scale factor menu, numerically enter the new scale factor and press ENT.   Press the ESC key to return main screen.
Menu Path: Main Screen, press SEL, press ▼ key to CONFIG Menu, SEL, SEL to HARDWARE MENU, SEL, ▼ to Scale Factor, SEL.

2) **Direction of Increasing Rotation**
Turn the resolver and verify that the position counts in an increasing direction. If not, change the direction of rotation: In the INCREASING DIR menu, press SEL to change between clockwise (CW) or counter clockwise (CCW) and then press ENT.
Menu Path: Main Screen, press SEL, ▼ to CONFIG Menu, SEL, SEL to HARDWARE MENU, ▼ to INCREACING Dir, SEL

3) **Set the Displayed Position to Match the Actual Machine Position**
With your machine stopped at zero or a known position, make sure the PS-6144 display matches the position. If not, you must change the Shaft Position setting. In the shaft position menu, numerically enter the position and press ENT key.
Menu Path: Main Screen, press SEL, ▼ to CONFIG Menu, SEL, SEL to HARDWARE MENU, SEL, ▼ to SHAFT POSITION, SEL.

4) **Set the ON/OFF Setpoints for Each Output Channel**
To set the ON/OFF durations for outputs.   In the SETPOINTS menu: Press ▼ to place the blinking cursor to the bottom ON/OFF menu line.   Press the SEL key, numerically enter your ON setpoint and press ENT. Enter the OFF setpoint and press ENT.
Menu Path: Main Screen, SEL, ▼, SETPOINTS, SEL, choose program number, SEL to setpoint screen.

Note: Repeat step 4 to add additional ON/OFF settings.
You can enter multiple ON/OFF setpoints in a channel, but they can not overlap.
To view all setpoint in a channel, press the ► key to scroll through all ON/OFF points.
To clear a channel of all setpoints, set both the ON and OFF setpoints to "0".

The PS-6144 is now set up to turn outputs ON and OFF at the specified positions.

If you wish to apply additional features to your outputs such as Speed Compensation, Timed Outputs, Motion Anding or product sensing, refer to the appropriate section of this manual for details.

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