

PS-5144 Quick Start Guide

Basic program settings required for operation of the PS-5144 controller.

1) **Scale Factor**

Determines the number of counts per revolution of the resolver. The factory default is 360. To change:

- Press "**FCN**" Key, then numerically enter "**101**", then press "**ENT**" Key.
- Press "**CHN**" key until "**SF**" is displayed above "**CHN**" key.
- Enter the new scale factor numerically and press "**ENT**".
- Press "**POS/RPM**" key to exit this function.

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:

- Press "**FCN**" Key, then enter "**101**", then "**ENT**" Key". "**dr**" is displayed above "**CHN**" key.
- Press "**PULSE**" key to change direction of rotation.
- Press "**POS/RPM**" key to exit this function.

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-5144 display matches the position. If not, you need to set the Shaft Position setting.

- Press "**FCN**" Key, then numerically enter "**101**", then press "**ENT**" Key.
- Press "**CHN**" key until "**SP**" is displayed above "**CHN**" key.
- Enter the correct position numerically then press "**ENT**".
- Press "**POS/RPM**" key to exit this function.

4) **Set the ON/OFF Setpoints for Each Output Channel**

- Press "**CHN**" key, select the output to be programmed by pressing number keys and then press "**ENT**" key.
- Press "**ON**" key, enter position that you want the output to turn on, press "**ENT**".
- Press "**OFF**" key, enter position that you want the output to turn off, press "**ENT**".

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 clear a channel of all setpoints, set both the ON and OFF setpoints to "0".

5) **To View or Check the ON/OFF Setpoints for an Output Channel.**

- Press "**CHN**" key, select the output to be viewed and then press "**ENT**" key.
- Press the right "**view**" key. The ON setpoint will be displayed.
- Press the "**view**" key again. The OFF setpoint will be displayed.
- If you have multiple ON/OFF points in the same channel, keep pressing the "**view**" key to cycle through all setpoints in a channel.

The PS-5144 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.