Electro Cam Corp.   13647 Metric Road, Roscoe, IL 61073 USA

Electro Cam PS 5000 Controller Quick Start Guide

These are the basic settings that need to be programmed for proper operation of the Electro Cam controller.

1)   *Scale Factor:*

The default value is 360 increments per revolution. To increase or decrease this number press "FCN" key, the "0" key, and then "ENT". Press "CHN" key until "SF" is displayed above "CHN" key. Enter the new scale factor and press "ENT". Press "POS/RPM key to exit this function.

2)   *Direction of increasing rotation:*

Turn the Resolver or Encoder and make sure the Controller position increases. If not, change the direction of rotation. Press "FCN" key, the "0" key, and then "ENT". Press "CHN" key until "dr" is displayed above "CHN" key. Press the "PULSE" key to toggle between "CL" clockwise and "CCL" counter clockwise. Press "POS/RPM key to exit this function.

3)   *Setting the displayed position, to match the actual machine position.*

With your machine set at Zero, or a known position, make sure the displayed controller position is correct. If not, Press "FCN" key, the "2" key, and then "ENT". Enter the current machine position and press "ENT" key. Press "POS/RPM" key to exit this function.

4)   *Set the "On" and "Off" setpoints for each Output:*

Press the "CHN" key, select the channel you want to program; example 1,2,3….... Press "ENT" key. Press "ON" key; enter the position at which you want the output to turn "On", then press "ENT" key. Press the "OFF" key; enter the position at which you want the output to turn "Off", then press "ENT" key. Press "POS/RPM" key to exit this function.

- Note: Repeat step 4 until you have entered all the setpoints, in the channels you want to program You can enter multiple "On" "Off" setpoints in a channel but they cannot overlap.

5)   *To view or check the "On" "Off" setpoints entered for an output follow these steps:*

Press the "CHN" key, and then select the output you want to view, example 1, 2, 3…….. Press "ENT" key. Press the "VIEW" key, the "On" setpoint will be displayed and the LED above the "ON" key will be on. Press the "VIEW" key again and the "Off" setpoint will be displayed, and the LED above the "OFF" key will be on. If you have multiple setpoints in the same channel, keep pressing the "VIEW" key and the display will cycle through the other "ON" "OFF" setpoints. Press "POS/RPM" key to exit this function.

You are now ready to run the controller with your outputs turning on and off at the specified positions. If you want to apply additional conditions to enable your outputs, such as Speed compensation, Timed Outputs, or Motion detection please consult your "PS-5000 Programming & Installation Manual". Depending on your model, you may be able to enable your outputs, based on an input from another device.