



Signature Series

SPC-2PGM Tool Speed Programmer



INSTRUCTION MANUAL

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WARNING! READ ALL INSTRUCTIONS COMPLETELY BEFORE OPERATION. Comply with all the instructions and rules in this manual. Keep these instructions in a safe place.

SAVE THESE INSTRUCTIONS.

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GENERAL SAFETY RULES

Please read this manual carefully before operation and follow the instructions.

- 1. Avoid exposing programmer to water or humid environment.
- 2. Avoid placing programmer on unstable objects.
- 3. Avoid pressing or impacting programmer LED display.
- 4. Do not expose to direct sunlight to ensure optimum visibility of LED display.

Thank you for your purchase of the SPC-2PGM Programmer used in conjunction with Signature Series Precision Clutch tools from AIMCO. The Signature Series is line of Cordless Tools that produce Industrial Grade accuracy when used correctly on a wide range of applications. Should you have any questions regarding the Signature Series Programmer detailed in this manual or any other threaded fastening needs, please contact your Authorized AIMCO Representative.

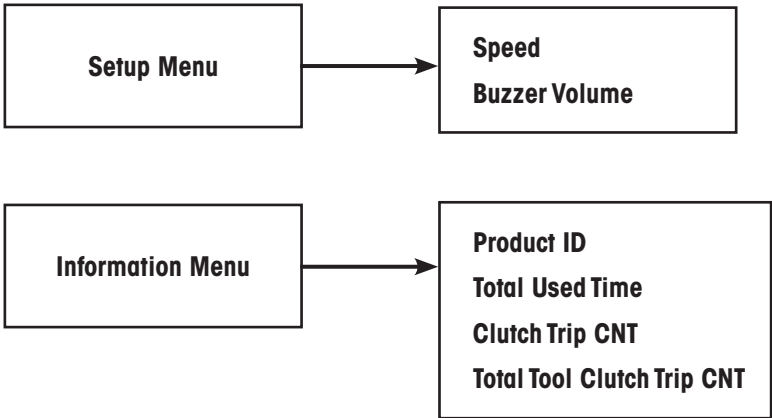


FUNCTIONAL DESCRIPTION

Notes:

1. Please install a fully charged battery pack onto the tool before using the programmer to make adjustments to the tool. The tool battery is the power source for the programmer.
2. Only Forward rotation (CW) rpm is adjustable. The Reverse rotation (CCW) rpm is locked in at the maximum rpm capability of the tool.
3. Only clutch trip count (CNT) is resettable; total tool clutch trip count is not resettable.
4. After changing settings with the SPC-2PGM Programmer, please remove and reinstall the battery pack onto the tool.

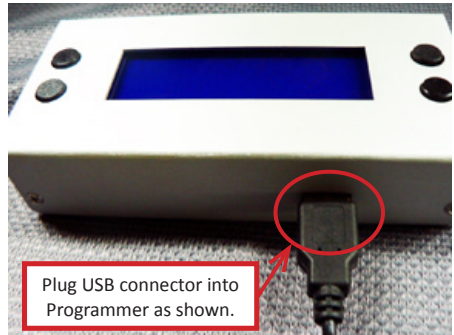
Operation Diagram



Tool Speed (RPM) Setting

Note: Tool speed is preset to maximum from the factory

Step 1: Plug USB connector into Programmer using supplied USB to USB Mini cable



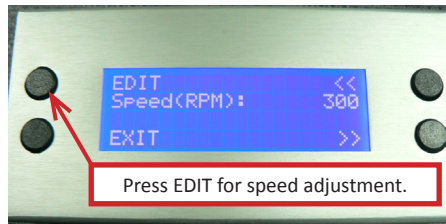
Step 2: Plug mini USB connector into the tool as shown using supplied USB to USB mini cable. Press tool trigger momentarily to switch Programmer on and the Setup Menu, RPM EDIT screen displays automatically.



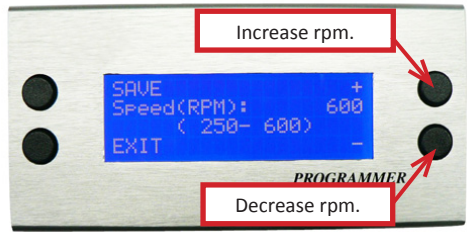
Step 3: Current RPM setting for tool is displayed.



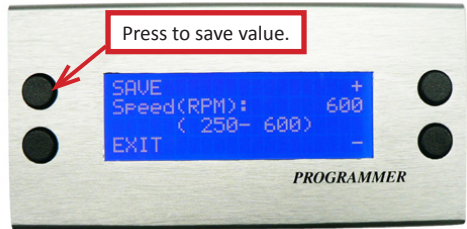
Step 4: Press "EDIT" to start the speed adjustment.



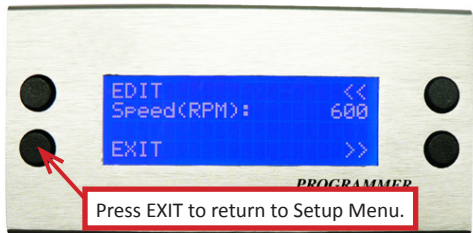
Step 5: Press “+” or “-” to increase or decrease RPM of tool CW rotation in 50 RPM increments. The display shows the RPM range of the tool connected to the programmer (250–600 is shown as an example).



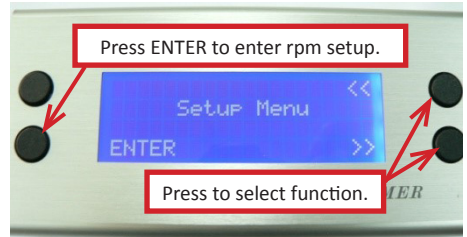
Step 6: Press “SAVE” and the value will be stored into the tool that is connected to the programmer.



Step 7: Press “EXIT” to leave the RPM setting and go to Setup Menu.



Step 8: When at “Setup Menu,” press “>>” or “<<” for more function set-ups or unplug MINI USB from tool to finish the setup.



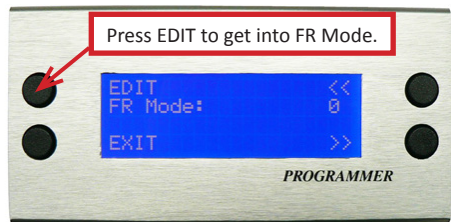
FR Mode Setting

For forward and reverse selection options

Step 1: Press "Enter" for mode selection.

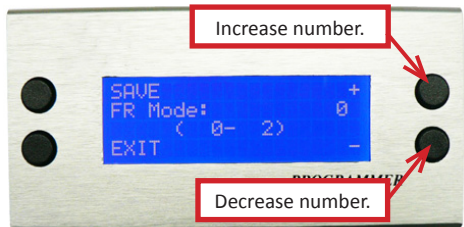


Step 2: Press "<<" or ">>" to find the "FR Mode" then press "EDIT" to enable changes.

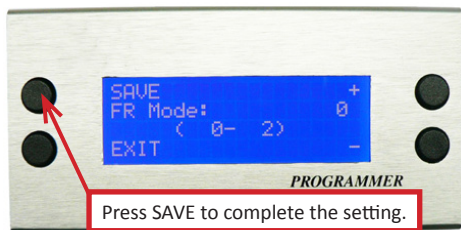


Step 3: Press "+" or "-" to choose the FR mode you prefer:

- (1) "0" enables the Forward (CW) and Reverse (CCW) selections on the tool to operate manually.
- (2) "1" enables the Forward (CW) operation to resume automatically after the tool runs in Reverse (CCW) operation once.
- (3) "2" enables the tool to operate in Forward (CW) operation only. Reverse (CCW) is locked out.



Step 4: Press "SAVE" and the value will be stored into the tool that is connected to the programmer. The set up of Forward (CW) and Reverse (CCW) selection mode on the tool is complete.

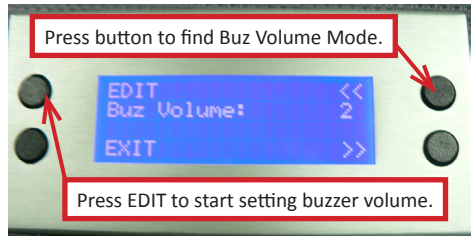


Buzzer Volume Adjustment

Step 1: Press "ENTER" for mode selection.

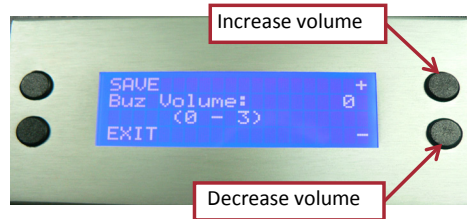


Step 2: Press "<<" or ">>" to find the Buz Volume mode and press "EDIT" to enable changes.

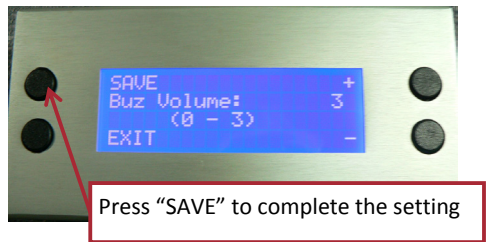


Step 3: Press "+" or "-" to increase or decrease the tool buzzer volume.

- 0 = Mute (no sound)
- 1 = Low buzzer volume
- 2 = Medium buzzer volume
- 3 = Loudest buzzer volume



Step 4: Press "SAVE" and the value will be stored into the tool that is connected to the programmer. The setting of tool buzzer volume is complete.



Start Mode Setting For trigger starting options

Step 1: Press "ENTER" for mode selection.



Step 2: Press "<<" or ">>" to find the "Start_Mode" then press "EDIT" to enable changes.



Step 3: Press "+" or "-" to select the Start Mode you prefer.

(1) "0" Setting:

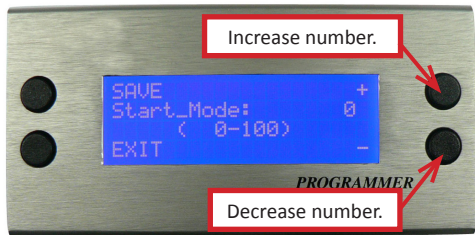
- First stage of trigger pull is to switch on the LED light.
- Second stage of trigger pull will start full speed run down. If the clutch fails to trip (NG), the tool LED will show RED. Successful clutch trip will show GREEN.

(2) "1 – 99" Setting:

- First stage of trigger pull is to switch on the LED light.
 - Second stage of trigger pull begins Soft Start. The tool will run a slow RPM for a chosen number of revolutions to assist in thread engagement. The number of rotations equals the number selected x 1.25.
- After completion of the preset revolutions of the tool at low RPM, the tool will ramp up to full RPM. If the clutch fails to trip (NG), the tool LED will show RED. Successful clutch trip will show GREEN.

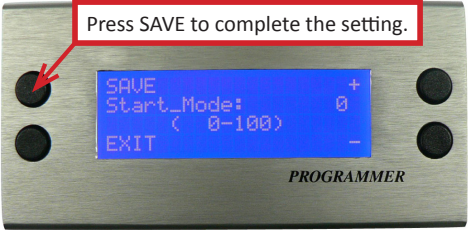
(3) "100" Setting:

- First stage of trigger pull activates LED light and slow start RPM unlimited rotations.
- Second stage of trigger pull activates full speed run down. If the clutch fails to trip (NG), the tool LED will show RED. Successful clutch trip will show GREEN.



PROGRAMMER OPERATION

Step 4: Press "SAVE" and the value will be stored into the tool that is connected to the programmer.



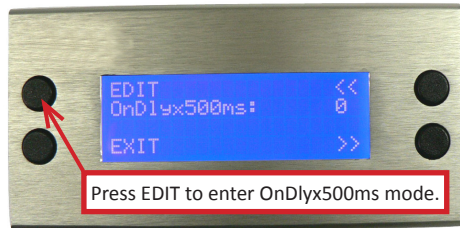
NOTES

OnDlyx500ms Setting For trigger delay after clutch trip option

Step1 : Press "ENTER" for mode selection.

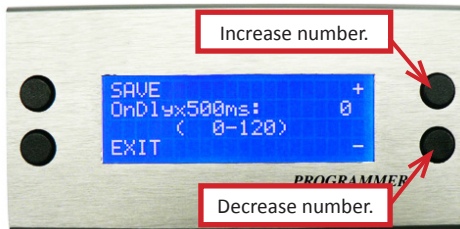


Step 2: Press "<<" or ">>" to find the "OnDly x 500ms" Mode then press "EDIT" to enable changes.

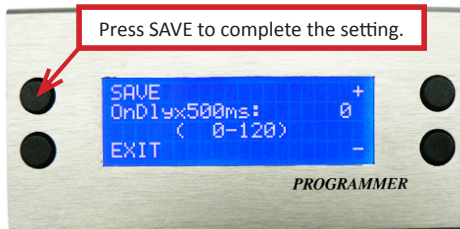


Step 3: Press "+" or "-" to select the number of OnDly x 500ms desired.

- (1) "0" setting: Trigger will activate on command without delay between clutch trip.
- (2) "0 - 120" setting: Trigger will not allow tool to start after clutch trip for chosen value x 500ms. This setting is typically utilized to reduce the possibility of an operator double tightening a fastener.



Step 4: Press "SAVE" and the value will be stored into the tool that is connected to the programmer.



Fwd_W_LED_Tmr Settings: To extend the luminosity of LED while in Forward operation

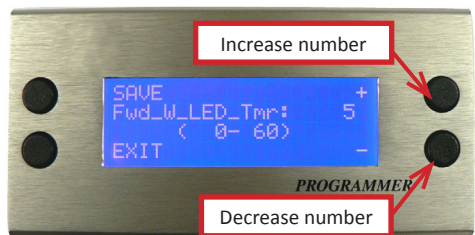
Step 1: Press "ENTER" for mode selection.



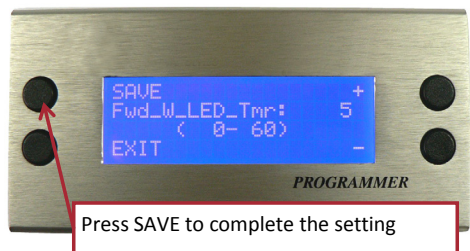
Step 2: Press "<<" or ">>" to find the Fwd_W_LED_Tmr Mode, then press "EDIT" to enable changes.



Step 3: Press "+" or "-" to set the amount of time the LED will remain lit while in Forward (CW) operation. The time can be set from 0 to 60 seconds. Longer set times may reduce time between battery charges.



Step 4: Press "SAVE" and the value will be stored into the tool that is connected to the programmer.

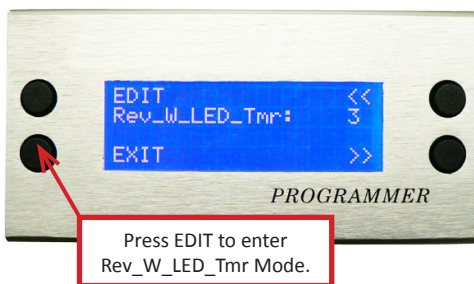


Rev_W_LED_Tmr Settings: To extend the luminosity of LED while in Reverse operation

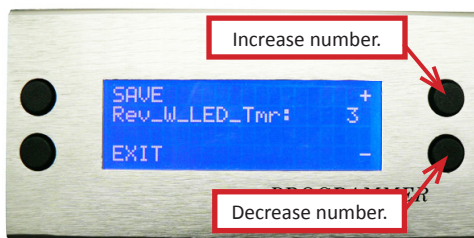
Step 1: Press "ENTER" for mode selection.



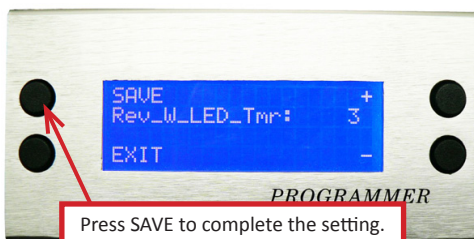
Step 2: Press "<<" or ">>" to find the "Rev_W_LED_Tmr" Mode, then press "EDIT" to enable changes.







Step 3: Press "+" or "-" to set the amount of time the LED will remain lit while in Reverse (CCW) operation. The time can be set from 0 to 60 seconds. Longer set times may reduce time between battery charges.



Step 4: Press "SAVE" and the value will be stored into the tool that is connected to the programmer.



The following programmer details can be seen under information menu.

<p>Product ID Built-in information set by factory. Used for production tracking purposes. Tool S/N is etched into tool housing base at battery slide mount.</p>	
<p>Total Used Time Total time the tool motor has operated. Value is not changeable.</p>	
<p>Total Count Total number of clutch trips that are successful (G). Clutch trips from double hits are excluded (NG). Value is not changeable.</p>	
<p>Trip Count Total number of clutch trips that are successful (G) since value was last cleared. Clutch trips from double hits are excluded (NG) Press "ERASE" to reset Trip CNT to zero.</p>	

NOTES



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