



Programmable Cycle Timer VFC30PCT Instructions



- This cycle timer can be operated in two modes, manual (no cycle timing) or automatic (with cycle timing).
- There are 10 (0-9) programmable functions accessible using the MENU button.
- Scroll through the 10 menu functions by pressing the MENU button.
- Use the up and down arrow buttons to change a function setting(s).
- Use the FWD/REV button to access the different settings within each function (if applicable).
- Long press the MENU button to turn the display light on or off.
- Press the RUN/STOP button to save and exit the menu.

In manual (no cycle timing) mode, the FWD/REV, ARROW up and down, and the RUN/STOP buttons will give you basic pump (motor) control as you would expect

Access the functions using the MENU button. A brief description of each function is as follows:

Function 0

Manual or automatic mode selection

1 is manual mode – no cycle timing

2 is automatic mode – with cycle timing

Function 1

Slow start time setting in seconds

0-10 seconds (10 is 1 second and 100 is 10 seconds)

The default is 1 second (10)

Function 2

Slow stop time setting in seconds

0-10 seconds (10 is 1 second and 100 is 10 seconds)

The default is 1 second (10)

Function 3

Speed lower limit setting as percentage

0-80 percent and less than the maximum speed setting value

The default is 0%

Function 4

Speed upper limit setting as percentage

0-100 percent and greater than the minimum speed setting value

The default is 100%

Function 5

Acceleration /deceleration setting as percentage.

Each time the key is pressed, the speed adjusts as follows:

1%, 2%, 5%, 10%, 15%, 20%, 25%

Function 6

Total motor running time setting in hours, minutes, and seconds

1 second minimum and 999 hours 59 minutes 59 seconds maximum

In manual mode, the pump (motor) will run for this duration unless interrupted by pressing the RUN/STOP button. The motor will run endlessly until the RUN/STOP button is pressed if the total motor running time is set to 0 hours 0 minutes 0 seconds.

In automatic mode, the pump (motor) will continue to cycle until the accumulated ON and OFF time settings below (functions 7, 8, 9) equal this duration. The cycles will loop endlessly until the RUN/STOP button is pressed if the total motor running time is set to 0 hours 0 minutes 0 seconds.

Functions 7, 8, and 9 are specific to automatic mode and do not impact manual mode

Function 7

ON TIME (forward rotation) setting in hours, minutes, and seconds

0 seconds minimum and 999 hours 59 minutes 59 seconds maximum

Function 8

OFF TIME setting in hours, minutes, and seconds

0 seconds minimum and 999 hours 59 minutes 59 seconds maximum

Function 9

ON TIME (reverse rotation) setting in hours, minutes, and seconds
0 seconds minimum and 999 hours 59 minutes 59 seconds maximum

Function E

This function pertains to forward and reverse limit switches. The controller supports a variety of 2 wire and 3 wire limit switches. This function does not have value for pumping systems and should not be altered.