

# Installation and Operating Instructions

## PBC



12/18

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For complete specs, visit our website: [www.carlonmeter.com](http://www.carlonmeter.com)



*Leaders in water measurement and control*

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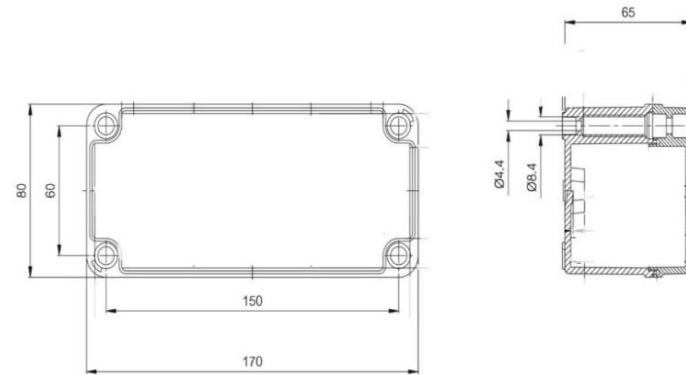
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## INSTALLATIONS INSTRUCTIONS:

- 1 Install the control in the desired location, noting accessibility to power outlets. Mount and keep unit in an area free from dust, moisture, and extreme temperatures. (*Do not plug in at this time*). Remove dust cover with the thumb screws. Then use the same holes to mount unit to the wall with 4 screws. (*SCREWS NOT PROVIDED*)
- 2 Connect the gray meter input signal wires from the batch controller to the terminal screws on the water meter register OR to the reed switch wires from the meter's register.
- 3 Connect the solenoid valve that controls the water flow to the female pigtail outlet on the batch controller (PBC).
- 4 Plug the male power cord into a 120 volt, 60 cycle, **GFI outlet**.
- 5 Determine the gallons or liters to be batched. Divide the gallons or liters to be batched by the GPC or LPC signal coming from the water meter.  
Example: 100 gallon batch ÷ 10 GPC = 10  
Set 10 on the counter
- 6 Reinstall the cover.
- 7 To star: push the green external button. This will open the water valve and start the flow and counting process. When the batch controller receives the number of counts that were pre-set in the register, it will close the valve, completing the batch. If the next batch is a different quantity, repeat steps 5 and 6.



### SPECIFICATIONS

Input Contacts:	Up to 9,999
Housing:	NEMA 4
Display:	Backlit LCD
Input Power:	120 VAC via <b>GFI</b>
Output Signal:	120 VAC, 3Amp Max, resistive
Counting Speed:	10 Contacts/Second - 10 Hz
Memory:	non-volatile

## PROGRAMMING/OPERATION INSTRUCTIONS:

Connect the power plug to the 120VAC. The display shows the initial screen.

```
PBC
Batch Controller
```

Pressing the MENU key allows selection of one of three modes:

1. Setup

```
Setup      ↵
Run
```

2. Run

3. Stored Values

```
Run
Stored Values ↵
```

Use the Up/Down keys to position the Enter key prompt to Setup. Pressing 'Enter' activates the selected mode.

### SETUP MODE

```
Batch
Counts:   000
```

Initial batch counts are set here. Manually input the count number desired. Pressing 'Enter' saves the setting to permanent storage and advances to the next screen

The total accumulated counts are displayed and may be modified.

```
Accumulated
Counts: 0000000
```

Pressing 'Enter' saves the value.

```
Batch Count 321
Press Start
```

### RUN MODE

Selecting 'Run' enters the Run Mode.

```
Batch Count 321
Press Start
```

Previously set count is displayed and ready to count down to zero. Pressing the 'Start' key immediately energizes the output pigtail 120 VAC receptacle. The count down is displayed along with the set count.

```
Batch Count 321
Count Down 319
```

The count down continues with each input pulse. At zero the output relay open and removes power from the 120 VAC receptacle waiting for the next press of 'Start'.

Pressing 'Cancel' at any time aborts the operation.

### STORED VALUES MODE

Current stored values are displayed:

```
Batch
Counts:   321
```

```
Accumulated
Counts:   109
```

```
Serial Number
BC100101
```

```
Manufacture Date
11/24/2018
```

```
Software Version
1.00.000
```