

# PULSAFEEDER®

The MTRBFT is a batching flow processor with additional output controls. It is designed for use with flow meters and flow sensors, as well as pulse-responsive metering pumps such as PULSAtron MP and E Plus or CHEM-TECH Series XPV, which have frequency output proportional to flow. In addition to batch functions, the MTRBFT indicates flow rate, and other data in large digits on an easily-read, backlit display. Units of measure are user selectable, and range from milliliters per second to millions of gallons per day. The unit can be 110Vac powered with a standard 3-wire cord (included), or 12-24 Vdc powered through an internal terminal strip.

An analog output of 4-20 mA is available in 0-10 Vdc or 0-5 Vdc outputs, and can be used in applications such as flow rate logging. Two programmable pulse scaled outputs can be used to provide proportional chemical feed with a pulse-responsive metering pump.

In Batch Processing Mode, the display indicates a flow rate on the top line, and an accumulated total flow (resettable), accumulated batch flow, or batch process bar graph on the bottom line. The batch output is controlled via two relays. The main relay starts and stops the batch as a set, or the auxiliary "prewarn" relay can be used to operate a second valve. This allows increased accuracy by engaging a staged shut off at the end of the batch.

The housing is supplied with two brackets for wall-mount applications, or the top/bottom housings can be easily separated and reassembled for panel-mount.

## Features

- Large Backlit Display
- Rugged Cast Aluminum Housing
- Water Usage Monitoring
- Wall or Panel Mount

## Operating Benefits

- Built in 4-20 mA analog output.
- User-scaled pulse output.
- Two relay outputs.



## Aftermarket

- Solenoids
- Motorized Ball Valves
- Water Meters
- Corrosion Coupon Racks
- Metering Pumps (PULSAtron, XP Series)

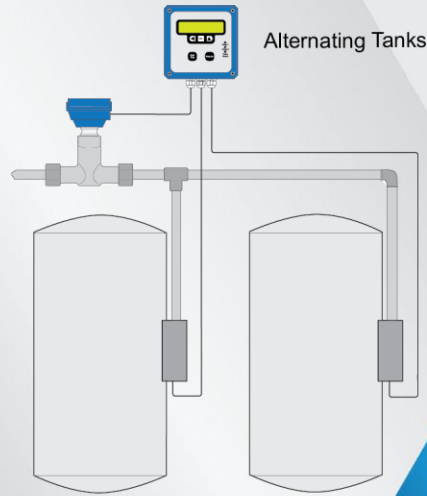
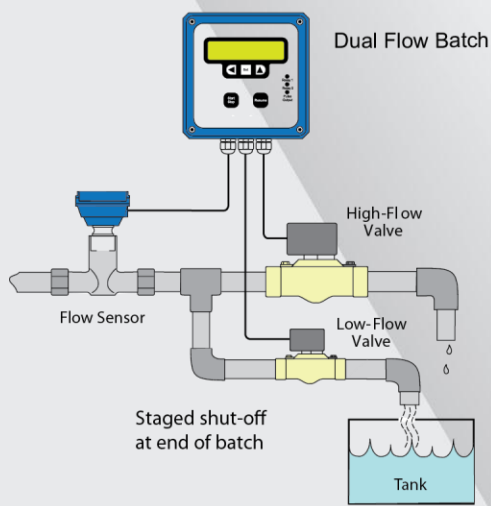


## Batch Controller

NEMA 4X

# Batch Controller

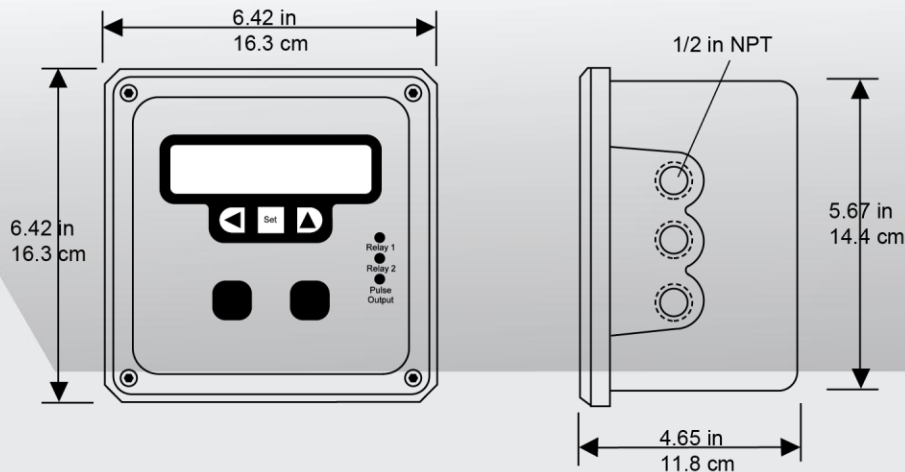
## Typical Installations



## Engineering Data

<b>Power:</b>	115 Vac, 50/60 Hz @ 125 mA, 12 Vdc @ 750 mA
<b>Temperature:</b>	32° - 130° F (0° - 55° C)
<b>Enclosure:</b>	Precision cast aluminum, NEMA 4X
<b>Mounting:</b>	Panel or wall mount configuration
<b>Batch Outputs:</b>	Two form C (SPDT) relays, 115 Vac 6A max
<b>Max Pulse Output:</b>	100 mA at 60 Vac/Vdc, opto-isolated, open-collector
<b>Memory Type:</b>	Non-volatile EEPROM with auto-backup
<b>Sensor Power:</b>	12 Vdc, 10 mA
<b>Display:</b>	Totalizer = 8 digit Rate = 5 digit, backlit
<b>Units:</b>	Volume = Gallons, cubic feet, cubic meters, millions of gallons, milliliters, fluid ounces, pounds, liters Time = Seconds, minutes, hours, days
<b>Analog Outputs:</b>	4-20 mA passive opto-isolated; 4-20 mA active; 0-5 Vdc, or 0-10 Vdc
<b>Sensor Input:</b>	1-1000 Hz, ESD protected, interfaces to current sinking sensor output
<b>Setup Memory:</b>	Non-volatile EEPROM, auto-backup

## Dimensions



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