

Powered Batch Controller



The model 214D Batch Controller is designed for flow applications where the precise control of batch quantities is required. It is high accuracy, intrinsically safe and is designed to operate with digital output flowmeters.

Features

- Displays Batch Total, Accumulated Total and Preset
- One or Two stage Valve Control
- Fully Programmable
- ATEX Class 1, Zone 1 Approved
- Watertight to IP67 (Nema 4X)
- Wall, Pipe and Mounting
- ATEX, IEGEx, CSA Approved
- CE Compliant



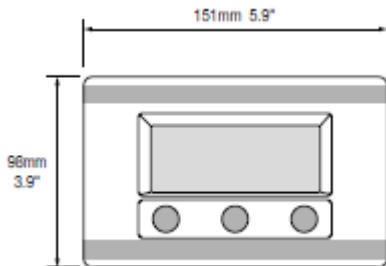
Specifications

Model Prefix	FRT
Displays	7 digits flow rate, total and accumulated total
Temperature Range	-20°C to +60 °C (-4°F to +140°F)
Battery Power	2 x Lithium batteries (life-time depends upon settings and configuration - up to/ approximately 2 years) which provide back up if the DC power to the controller is interrupted so that totals are not lost
Protection Class	IP67 (Nema 4X) polycarbonate enclosure which is completely watertight
K-factor Range	0.000001 ~ 999,999
Frequency range	0Hz to 10kHz
Signal type	Switch settable for sine wave (15mV P-P minimum), open collector, reed switch or pulse.
Inference	CE compliance
DC Power Input	9-28V at 4mA maximum
Time Base	Rates can be displayed in units per second, minute, hour or day
Outputs	2 x solid state relay outputs suitable for driving DC solenoids or external relays. The outputs provide for one or two stage control of the flow.

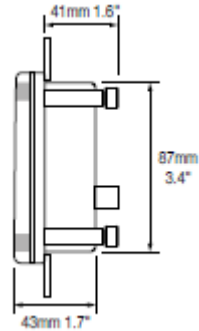
Switching Power	200mA, 30V dc maximum
Saturation Voltage	0.8V dc across outputs

Dimensions

Enclosure Dimensions



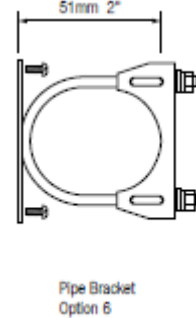
Panel Mount



Wall Mount



Pipe Mount Adaptor



Product Codes

214Di	Batch Controller
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Enclosure Mounting

0	Wall Mounting
1	Panel Mounting *
2	Wall Mounting (standard glands)
4	Turbine Mounting (stem bottom)
6	Pipe Mounting

Output (standard)

3	DC Powered
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Hazardous Approvals

C	CSA US & Canadian Approval
M	ATEX/IEGEx Approval

Typical Part Numbers 214Di.23M

*Note: Cable glands not included

214D 20-24

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