Channel Isolated Pulse Input Module

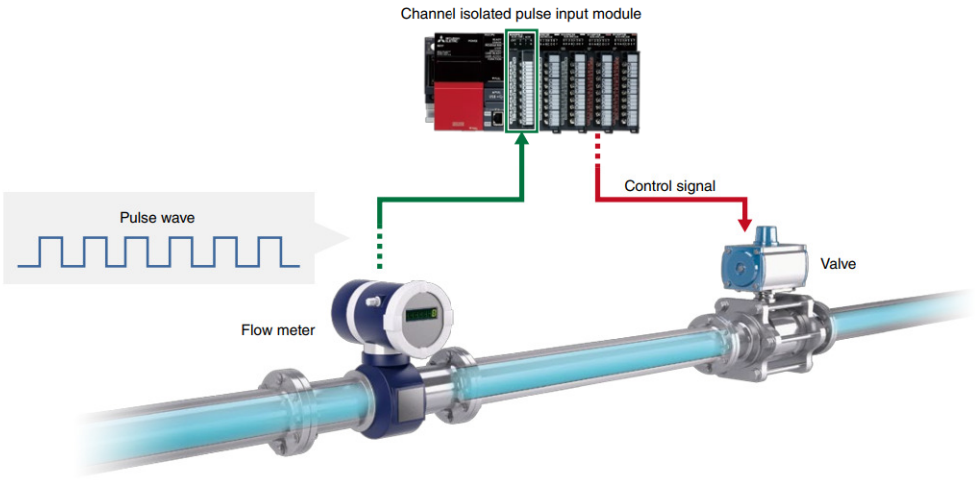
RD60P8-G

8-channel

The channel isolated pulse input module can measure the number of input pulses such as for speed, rotation speed, instantaneous flow rate and also measure quantity, length, and cumulative flow rate. The input pulse value is updated every 10 ms, with the cumulative count value and number of pulses (sampling pulse), after moving average processing, updated at every count cycle setting value.

Multiple pulse input functions embedded

The channel isolated pulse input module can measure various different types of data within one module. Galvanic channel isolation is included which prevents noise interference between each channel making it ideal for process control applications.



Channel isolated pulse input module specifications

Item	RD60P8-G
Number of channels	8
Withstand voltage	Between I/O terminals and programmable controller power supply: 500 V AC rms for 1 minute 1780 V AC for 1 minute between channels
Isolation resistance	Between I/O terminals and programmable controller power supply: 10 MΩ or higher, at 500 V DC 10 MΩ or higher, at 500 V DC between channels
Count input signal	
1-phase input	●
Signal level	5 V DC/12...24 V DC
Counter	
Counting speed (pulse/s)	30k/10k/1k/100/50/10/1/0.1
Counting range	Sampling pulse number: 16-bit unsigned binary (0…32767) Accumulating count value: 32-bit unsigned binary (0…99999999) Input pulse value: 32-bit unsigned binary (0…2147483647)
Count type	Linear counter, ring counter
External interface*1	
18-point screw terminal block	●

*1. For more information about external interface (for applicable options, please refer to the relevant product manual), refer to the option lists on page 115.