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RPS10

RS422 Interface And Pulse-Width-Modulated To Start-Stop Converter

The RPS10 converts RS422 signals from magnetostrictive linear displacement transducers (MDTs) into single-ended TTL/CMOS compatible signals.

It can also be configured to convert a pulse-width-modulated (PWM) signal into start and stop pulses for use with motion controllers and other products that accept only start-stop signals. Simply snap off the side panel of the RPS10's DIN-rail enclosure to access the PWM jumper.

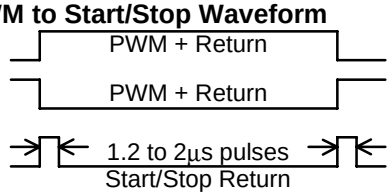
Features

- Get high MDT position resolution by using multiple recirculations within the transducer
- RS-422 differential transceiver for high noise immunity (220Ω input impedance)
- Converts PWM transducer outputs to start/stop signals for motion controllers (jumper selectable)
- Compact DIN-rail mount package
- Single +5VDC ±5% power supply
- Low current draw: 30mA typical (varies with termination impedance)

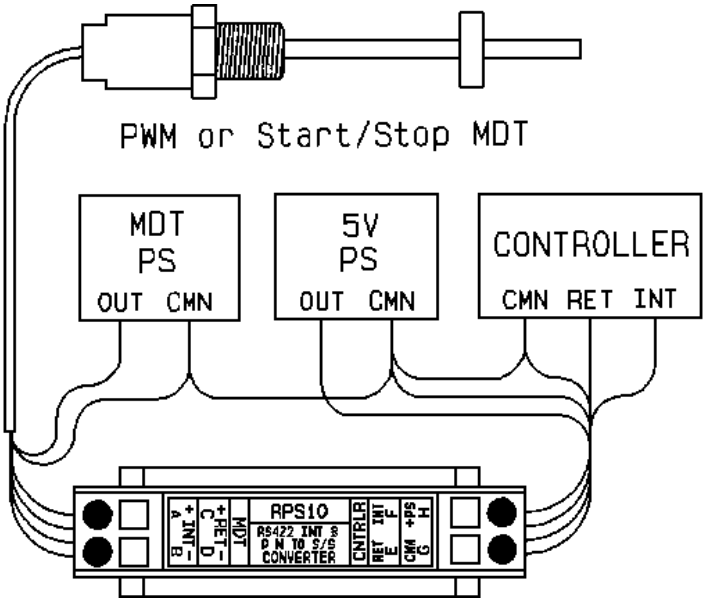
Wiring

Terminal	Function
A	+ Interrogate to MDT
B	- Interrogate to MDT
C	+ Return from MDT
D	- Return from MDT
E	Return to Controller
F	Interrogation from Controller
G	Common
H	+5VDC Power Input

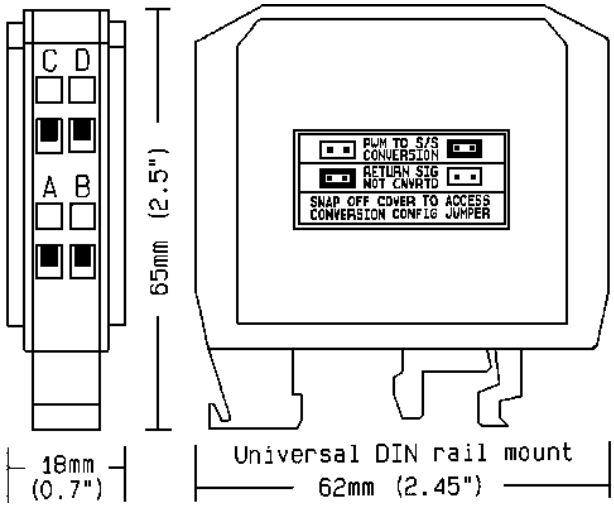
PWM to Start/Stop Waveform



Typical Application



Dimensions



DELTA COMPUTER SYSTEMS, INC.

11719 NE 95th St., Suite D, Vancouver, WA 98682-2444
360-254-8688 Fax 360-254-5435 http://www.deltacompsys.com

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