



**PR0622
PR0622 DIN**

USB 8 Channel Pulse Reader

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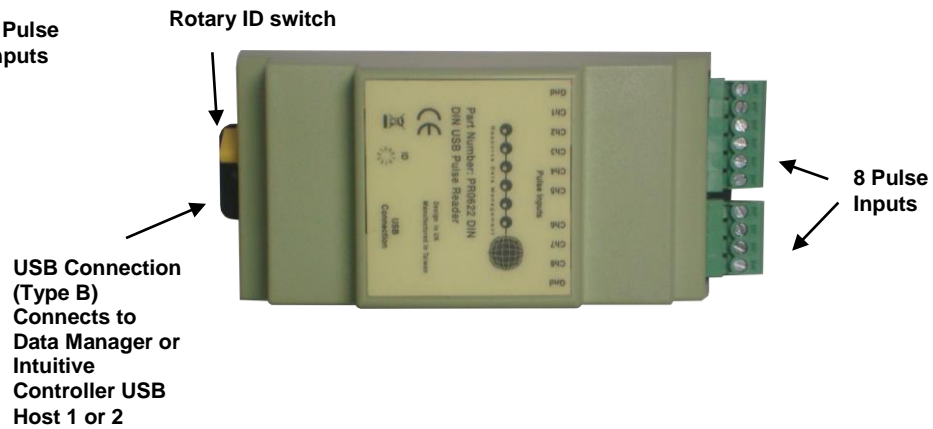
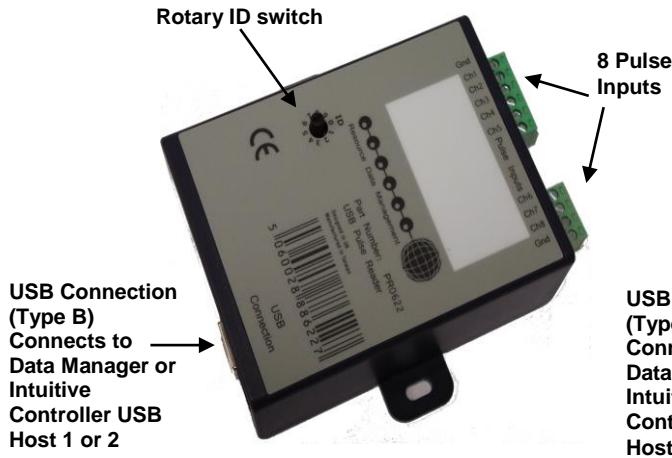
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8 Channel Pulse reader (PR0622)

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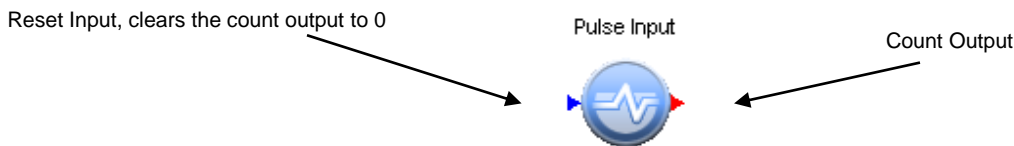


This device connects to either USB Host 1 or 2. Up to three PR0622 devices can be connected to the system. Since there are only two USB host ports available then a USB hub must be used if more than two USB devices are required. The PR0622 has a rotary switch which allows the user to uniquely address each module. If the rotary switch is set to any of the following then the pulse reader will be appear as highlighted.

- Position 1: - Equates to device 1 and Channel 1 through to 8.
- Position 2: - Equates to device 2 and Channel 9 through to 16.
- Position 3: - Equates to device 3 and Channel 17 through to 24.

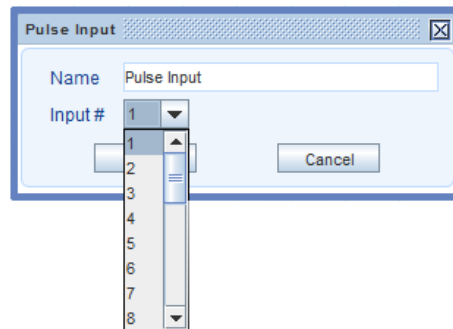
Note: - If a USB hub is used then it must be self powered and should not obtain its operating power supply from the controller USB ports. Failure to use a self powered hub will result in damage to the controller and will invalidate the controller warranty. RDM recommend PR0624 4 Port USB Hub.

A single PR0622 has 8 channels to count pulses therefore a total of 24 channels can be monitored if three devices are used. A Pulse Reader input block/channel must be used to incorporate the pulse counts from each channel into a data builder program. Each channel on the pulse reader requires a 0V return switching through e.g. a utility meter volt-free relay. The maximum speed that the pulse reader can read is 10msec mark – 10mSec space per channel. Below is the Data Builder Icon for pulse input: -



Use one of these blocks per channel required in the Data Builder program. The count output is stored in the controller memory on the hour and half past the hour.

Display the properties for this block to select the channel number and name the block. Up to 24 inputs are available to select from the drop down menu: -



The Pulse Reader counts can be checked in the controller by selecting the System tab then Pulse Counter. Channel counts can be read from this screen and channel counts can be cleared on an individual basis. "0" in a channel count indicates that Channel has had zero counts and the Pulse Reader module is present for that range of channels. "---" shows that the Pulse Reader module isn't present for that range of channels.