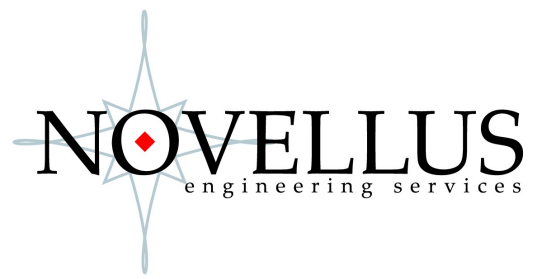


Frequency Divider



Description:

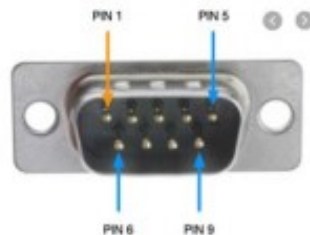
This device divides frequency by a factor of 2 or 4. This allows for the collection of frequencies that are beyond the data acquisition system's capability. During post processing the actual frequencies can be restored to their true values.

Basic Operation:

This module connects in-between the signal and the data acquisition system. The dividing factor can be selected as divide by 2 or divide by 4.

DB9 Input connector pinouts:

(1) NC	(6) GND
(2) CAN FD LOW	(7) CAN FD HIGH
(3) GND	(8) NC
(4) NC	(9) +12V INPUT



Signal Specification:

Signal Name	Pin Number	Signal Description
+12V	9	Pin 9 is supply voltage, typically battery voltage + 7 VDC to +20VDC
GND	3 & 6	Ground
N\C	1, 4, 5 & 8	No Connection
CAN LOW	2	CAN Low Output
CAN HIGH	7	CAN High Output

Electrical Specifications:

Signal	Minimum	Typical	Maximum
Input Supply Voltage	+7.0 VDC	+12.7 VDC	+20 VDC
Input Supply Current		30 mA	100 mA
Operational Temperature (Processor)	-40°C		+85°C