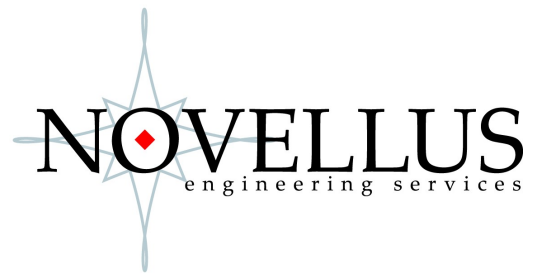


Frequency Divider



Description:

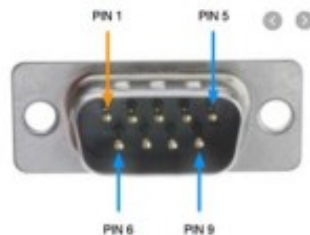
This device divides frequency by a factor of 2 or 4. This allows for the collection of frequencies that are beyond the data acquisition system's capability. During post processing the actual frequencies can be restored to their true values.

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