MTN/8065

Tri-Output Vibration Interface Module

The 8065 vibration module is designed to power and accept an AC signal from a constant-current accelerometer. The module integrates this signal and provides a 0-10V output proportional to RMS velocity and enveloped g output plus a buffered, unfiltered (raw AC) output for connection to a data collector. The module can operate with any 2-wire constant-current accelerometer. Envelope g values are considered by many to be a sensitive and convenient marker for bearing wear.

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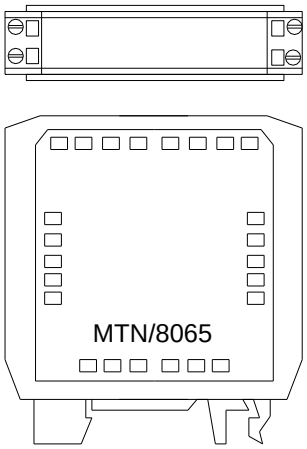

Dimensions :

62mm x 65mm 22mm

Options:

Other envelope filter bands available upon request

Construction:

Din rail mounting enclosure

Terminations:

Screw terminals

- RMS Velocity Output (ISO 10816-1)
- Enveloped g Output
- 0-10V Outputs For PLCs
- Buffered Acceleration Output
- Din Rail Mounting

Technical Specification

- Power Input - 24VDC at 15mA
- Signal Input – From 100mV/g constant current accelerometer

Output 1

0-10VDC proportional to RMS velocity

Range 0-20mm/sec or as specified

Output Offset 50mV DC max (0.125 mm/s)

Frequency Range – 10Hz to 1kHz (-3db)

Filters – two-pole Butterworth type 12 dB/octave

Output 2

0-10VDC proportional to Enveloped g

Range 0-10g or as specified

Output Offset 50mV DC max (50mg)

Input Frequency Range – 3kHz to 6kHz

Enveloped Frequency range 10Hz to 1kHz

Filters – Two-pole Butterworth type 12dB/octave

Output 3

AC output – 100mV/g or as specified

Frequency Response 2Hz to 10kHz (-3dB)

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We reserve the right to alter specifications without prior notice.

System Connection

Connections		
Terminal	"A"	Accelerometer Input 0V
Terminal	"B"	Accelerometer Input Signal
Terminal	"C"	AC Output (100 mV/g) Connection
Terminal	"D"	No Connection
Terminal	"E"	+24V Power In
Terminal	"F"	Velocity Output 0-10V = 0-20mm/s
Terminal	"G"	Enveloped g Output 0-10V = 0-10g
Terminal	"H"	0V Power In