

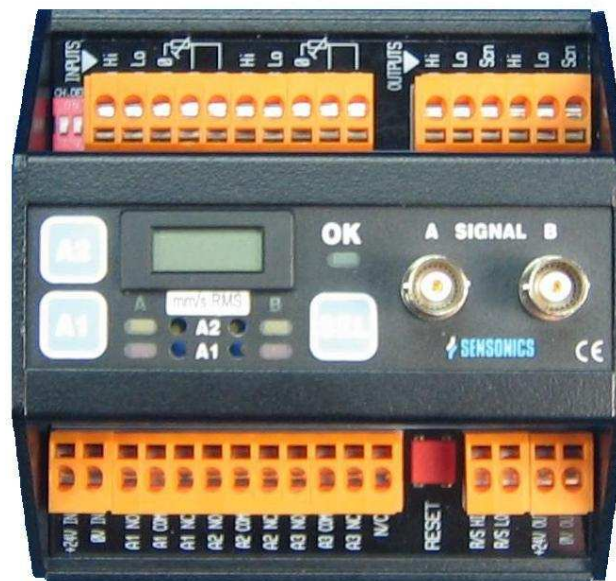
DN2612 Dual Vibration Protection Monitor



This high performance signal conditioning unit is ideally suited to providing protection of many types of rotating machinery from breakdown, including turbines, motors, pumps, fans, etc, for use in conjunction with a wide range of proximity probe measurement systems.

Its small size and din rail mounting format allow it to fit in equipment panels with other equipment or locally to the monitored machine in a junction box. The Unit has been designed to fit both 35mm and G type DIN rails. The DN2612's alarms can be used to automatically trip plant through integral relays and analogue outputs are available for DCS / PLC integration.

Suitable for SIL (IEC 61508) rated applications and field proven.



- Input:** 2 x Eddy Current Probes & Drivers 200mV/mils (8mV/um) as standard. Option for 100mV/mils (4mV/um).
- Power:** 24V dc (22 – 28V dc) @ 300mA
- Display:** 3 digit LCD display switchable between channels and alarm setpoints. Display is in engineering units. (µm or mils)
- Outputs:** 2 x 4-20 mA outputs proportional to vibration level (1 per channel).
- Signal:** Buffered raw transducer signal available on dual BNC connectors for simultaneous analysis.
- Alarms:** 2 x individually adjustable level alarms, (2 per channel). Alarm time delay option.
1 x common system integrity alarm.
Relay contacts rating 125V ac/dc 0.5A / max 2.0A at 30Vdc.
Pushbutton and remote reset facility.
- Scaling:** Vibration levels are selectable on site, from a standard list, by the positioning of onboard switches.
- Filters:** Low pass filters are selectable on site, from a standard list, by the positioning of onboard switches.

DN2612 Dual Channel Vibration Monitor Module Ordering Information

In order to enable us to build the monitor modules to your requirements we need to know the following information. This is also a useful guide to illustrate the features and settings available with the DN2612.

ORDERING INFORMATION

DN2612 - ^A - ^B - ^C - ^D - ^E - ^F - ^G

- A) Input**
- A**
- | | | |
|----------------------|---|---|
| <input type="text"/> | 1 | Eddy current Probe, 8mV/μm (200mV/thou) (Standard) |
| <input type="text"/> | 2 | Eddy current Probe, 4mV/μm (100mV/thou) |
| <input type="text"/> | 3 | Eddy current Probe, Any Other Sensitivity, please provide |

- B) Output Signal.**
- B**
- | | | |
|----------------------|---|--|
| <input type="text"/> | 0 | None |
| <input type="text"/> | 1 | 1x 4-20mA, Current O/P per channel (Standard) |
| <input type="text"/> | 2 | 1x 0-1V Voltage O/P per channel |
| <input type="text"/> | 3 | 1x 0-5V Voltage O/P per channel |

- C) Metric or Imperial units displayed (Pk-Pk)**
- C**
- | | | |
|----------------------|---|----------------------------|
| <input type="text"/> | 1 | Metric (Standard) |
| <input type="text"/> | 2 | Imperial |

Note: Only Code items D & E can be set on site by selecting internal DIL switches

	D	<i>Metric</i>	<i>Imperial</i>	<i>Note</i>	
D) Measurement range for output (Pk-Pk)	<input type="text"/>	A	0-125μm	0-5mils	8mV/μm & 4mV/μm probes
	<input type="text"/>	B	0-200μm	No	8mV/μm & 4mV/μm probes
	<input type="text"/>	C	0-250μm	0-10mils	8mV/μm & 4mV/μm probes
	<input type="text"/>	D	0-500μm	0-20mils	8mV/μm & 4mV/μm probes
	<input type="text"/>	E	Other, Please state range and probe sensitivity		

- E) Lo pass filter, high end cut off**
- E**
- | | | |
|----------------------|---|---------------------------|
| <input type="text"/> | 1 | 1 kHz (Standard) |
| <input type="text"/> | 2 | 2 kHz |
| <input type="text"/> | 3 | 10 kHz |

- F) Alarm delay**
- F**
- | | | |
|----------------------|---|------------------------|
| <input type="text"/> | 1 | 1s (Standard) |
| <input type="text"/> | | 3, 5 or 10 seconds |

- G) Latching**
- G**
- | | | |
|----------------------|---|--|
| <input type="text"/> | 1 | Fleeting alarms, non-Latching (return to normal state when condition is rectified) |
| <input type="text"/> | 2 | Latching alarms (press reset button to return to normal state) (Standard) |

DS 1217



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