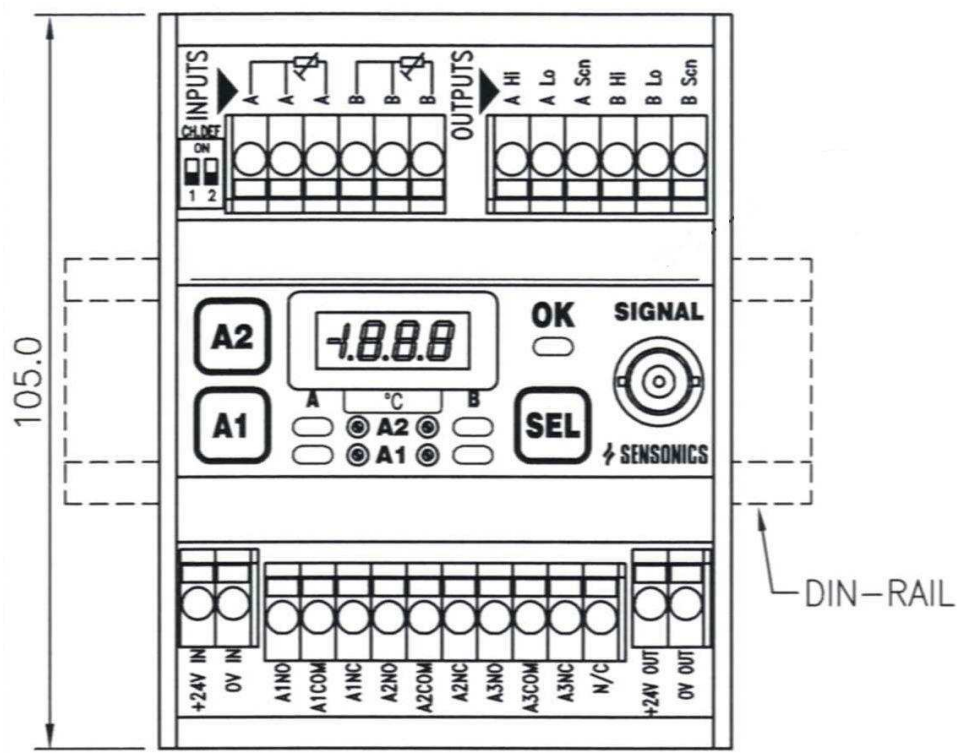
TECHNICAL INFORMATION

PREDICTIVE MAINTENANCE SYSTEMS

SENSONICS LTD

DN2605 Dual Channel Temperature Monitor

This low cost 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.
Its small size and din rail mounting format allow it to be mounted in equipment panels with other equipment or locally to the monitored machine in a junction box. Unit will fit both 35mm and G type DIN rails. The DN2605's alarms can be used to automatically trip plant and it's analogue outputs are suitable to input to DCS or other control/monitoring



Input:	2 x 3 wire RTD type PT100 temperature sensor.
Power:	24V dc (22 – 28V dc).
Mode:	Vibration monitoring can be switched between acceleration or velocity.
Display:	3 digit LCD display switchable between channels and alarm setpoints. Display is in engineering units, ºC or ºF (factory set).
Outputs:	2 x 4-20 mA outputs proportional to each channel temperature level.
Signal:	Buffered raw transducer signal available on BNC connector for analysis purposes.
Alarms:	2 x individually adjustable level alarms, (2 per channel). 1 x common system integrity alarm.
Scaling:	Temperature levels are selectable on site, from a standard list, by the positioning of onboard switches.

DN2605 Dual Channel Temperature Monitor Module Ordering Information

ORDERING CODE INFORMATION

	A	B	C	D	E
DN2605	- ☐	- ☐	- ☐	- ☐	- ☐

A) Input

A	
1	Resistance Temperature Detector RTD PT100
2	Temperature sensor 10mV/℃
3	Temperature sensor 10mV/℉

B) Output Signal. Proportional to measurement range

B	
0	None
1	1x 4-20mA, Current O/P per channel, non-isolated
2	1x 0-1V Voltage O/P per channel, non-isolated
3	1x 0-5V Voltage O/P per channel, non-isolated

C) Temperature unit displayed

C	
1	℃ Centigrade
2	℉ Fahrenheit

Note: Code item D, can be set on site by selecting internal DIL switches.
Range is also restricted by type of temperature sensor being used.

D) Measurement range for output

D	℃	℉
A	0-50℃	0-100℉
B	0-100℃	0-200℉
C	0-150℃	0-300℉
D	0-200℃	0-400℉

E) Alarm delay

E	
1	1s (Standard)
	3, 5 or 10 seconds

Example of Order Code

DN2605-1-2-1-B-1 **is CHA&B, 3-wire RTD PT-100, 0-1V OP, 0-100°C, metric display, 1 second alarm delay.**

DS1171

Sensonics Ltd
Northbridge Road
Berkhamsted
Herts, HP4 1EF
United Kingdom
Tel: +44 (0)1442 876833
Fax: +44 (0)1442 876477
www.sensonics.co.uk