ED-250-2 R/I-U Converter module:

The ED-250-2 Resolver to Current/Voltage Converter Module is an interface for ED and DMI wind direction sensors to analog signal types.

The ED-250-2 generates a 4.5KHz carrier signal for the resolver, which returns two amplitudes corresponding to the sine and cosine of the wind direction. This signal is converted in a 12-bit tracking resolver to digital converter, which is then converted to current and voltage.

The ED-250-2 is very tolerant of cable lengths, as the measurement is relative between sine and cosine.

TECHNICAL SPECIFICATIONS

Input			**Power**	
Measurement range	0 - 360°		Input voltage	24VDC +/-15%
Carrier frequency	4,5KHz +/-10%		Current consumption	<45mA
Carrier voltage	4VRMS +/-10%		Power consumption	<1,08W
Cos/Sin voltage	0-2VRMS			
			Other	
Output			Power (Red)	Power OK
Voltage output	0 - 2,5V		Signal (Green)	Resolver signal OK
	0 - 5,0V			
	0 - 7,5V		**Other**	
	0 - 10,0V		Mounting	11P DIN-rail
Current output	0 - 20mA		Working temperature	-10°C - +60°C
	4 - 20mA			
Resolution	<0,1°			
Linearity	<0,5°			