



LB-380 Wind Convertor



**Seamlessly convert
EML's wind sensors to
your preferred
analogue outputs**

Applications

- Building Management Systems (BMS)
- Chemical plants and factories
- Low-Cost Hydro-Met stations

Features and Benefits

- Easy wind monitoring to suit your system
- DIN rail mounting
- Simple connections
- Compatible with EML's wind sensors

Connection with WSD1.

LB-380	WSD1
1	Reed switch (green)
2	Reed switch (black)
3	Potentiometer (T1) (white)
4	Potentiometer (T3) (black)
5	Wiper of Potentiometer (T2) (red)
6	Potentiometer (T3) (black)
7(*)	Screen

Notice : (*) - the screen is not connected to any electrical potential of LB-380. It is recommended to connect screen to the ground potential.

Power supply

LB-380	
8	AC power supply or positive DC power supply
9	AC power supply or negative (GND) DC power supply

Analogue outputs

LB-380	
10	0..10V, analogue output proportional to speed (0V – 0.0m/s, 10V – 90.0m/s)
11	GND
12	4..20mA, analogue current output proportional to speed (4mA – 0.0m/s, 20mA – 90.0m/s)
13	0..10V, analogue output proportional to direction (0V – 0°, 10V - 359°)
14	GND
15	4..20mA, analogue output proportional to direction (4mA - 0°, 20mA - 359°)

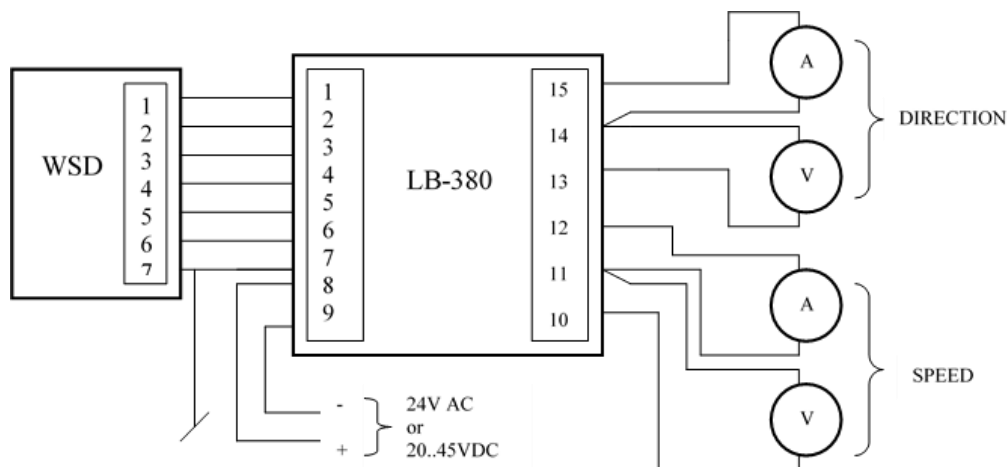


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7 Jupiter Court
Orion Business Park
North Shields
NE29 7SE
United Kingdom
Phone: +44-(0)191-2583757
email: sales@emild.net
web: www.emild.net



The LB-380 wind converter is used for changing electrical signals of the wind sensor WSD1, to well-known analogue standards 0..10V and 4..20mA. The converter is equipped with four analogue outputs, current and voltage for direction and speed of wind. LB-380 is powered from outside 24V AC or DC source.



Technical Specifications	
Power Supply	15..30V AC/50Hz or 20..45V DC
Power Consumption	Max, 70mA
Voltage Outputs	0..10V (+/-50mV)
Current Outputs	4..20mA (+/-0.1mA)
Operating Temperature Range	-30..60°C
Relative Humidity	20..80%
Dimensions	90 x 52 x 65 mm (120 x 52 x 65 mm with connectors)
Weight	110g
Compatible with all EML wind sensors	

Ordering Information	
Order Code	Product
W-975-500	LB-380 Wind Converter

LED Colour	
Green (pulse)	Operating correctly
Red	Internal error – Return for service

Web: www.emltd.net

e-mail: sales@emltd.net



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