



MODEL 05608C
WIND SENSOR INTERFACE
 0-5 VDC OUTPUT

INSTRUCTION SHEET 05608C-90
 REV: A010313

SPECIFICATIONS

- Sensor Type:** Wind Monitor-HD (Model 05108)
 NOTE: use with other models will result in wind speed errors.
- Wind Speed Input:** AC sine wave, Frequency proportional to wind speed. 3 pulses per revolution. Input sensitivity nom. 40 mV p-p
- Wind Direction Input:** Analog voltage from azimuth potentiometer. Regulated excitation voltage (nom 5.0vdc) is supplied from interface circuit to potentiometer.
- Wind Speed Output:** 0 to 5.00 VDC = 0-100 M/S
 Circuit time constant 0.2 second
- Wind Direction Output:** 0 to 5.00 VDC = 0 to 360°
- Overall accuracy:** ± 1% of full scale over temperature and supply voltage range
- Dimensions:** 110 mm W x 75 mm H x 56 mm D
 (4.3 in W x 2.9 in H x 2.2 in D)
- Mounting:** U-bolt for vertical pipe
 25-50mm (1-2 in) Diameter
- Power Requirement:** 8-24 VDC (5 mA @ 12 VDC)
- Temperature Range:** -50 to 50°C (-58 to 122°F)

INTRODUCTION

The Wind Sensor Interface provides calibrated analog DC voltage signals for wind speed and wind direction. The unit consists of a circuit board assembly in a weather resistant junction box. All cable connections are made in the junction box. See wiring diagram below.

IMPORTANT!

The Wind Sensor Interface provides a calibrated voltage output signal for wind speed and wind direction. Externally connected devices should be reviewed for compatibility and correct signal scaling.

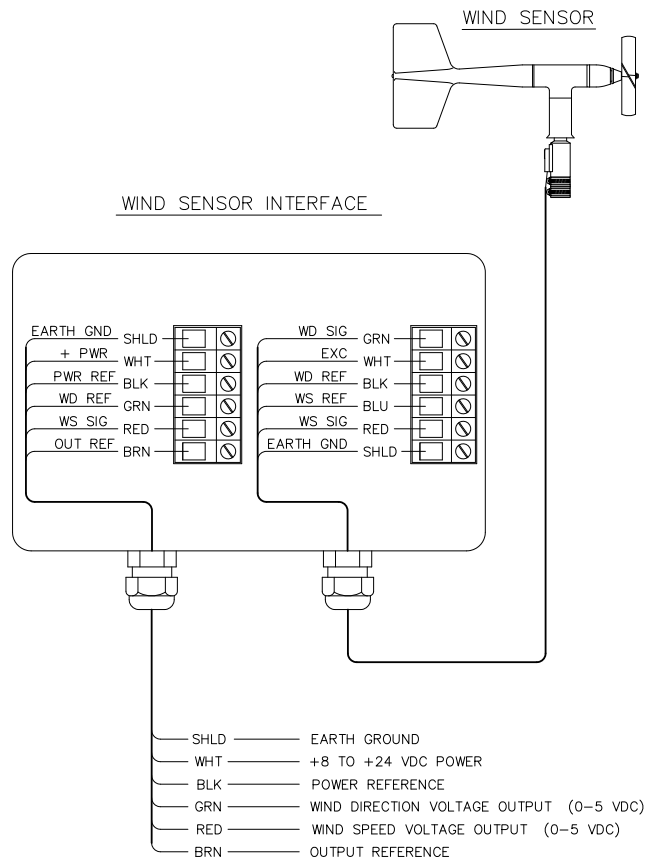
Repairs should be attempted only by qualified service personnel.

WARRANTY

This product is warranted to be free of defects in materials and construction for a period of 12 months from date of initial purchase. Liability is limited to repair or replacement of defective item. A copy of the warranty policy may be obtained from R. M. Young Company.

CE COMPLIANCE

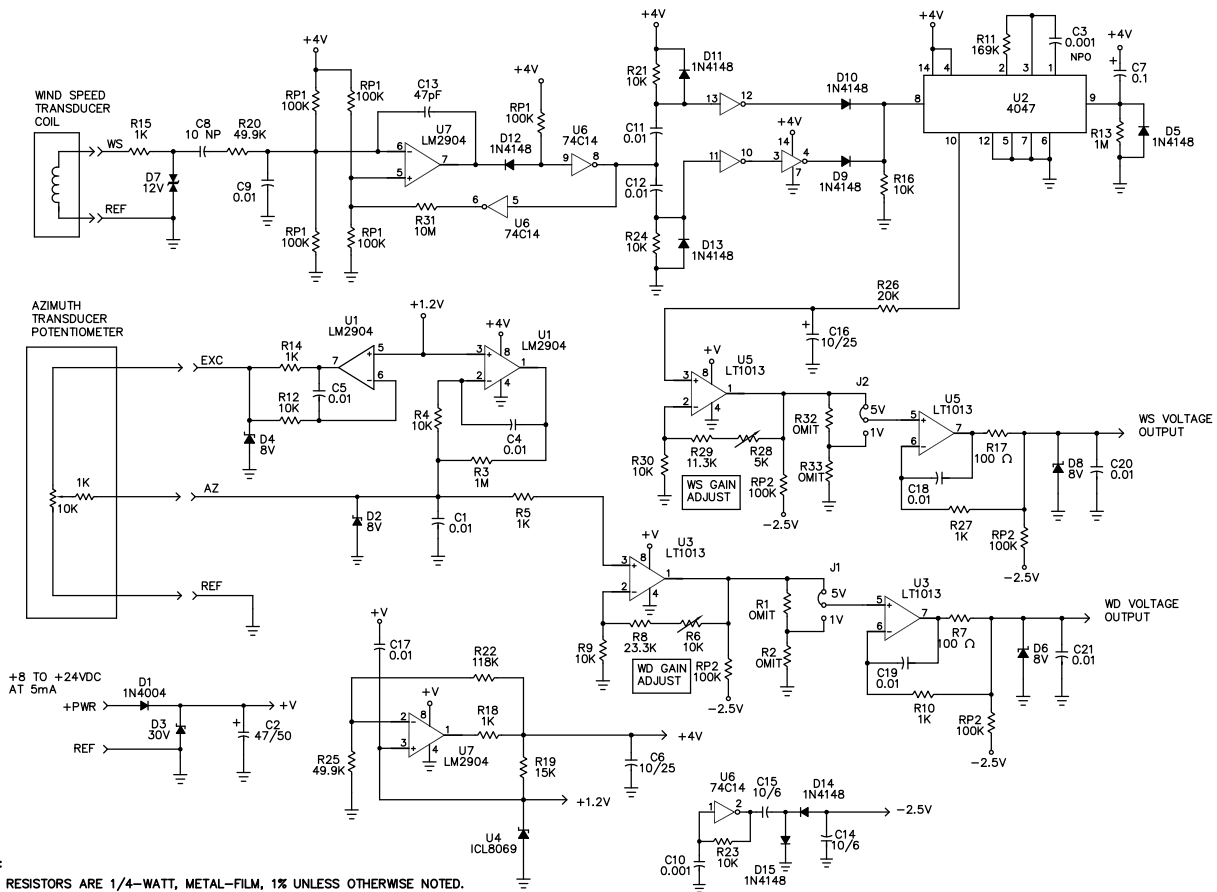
This product has been tested and shown to comply with European CE requirements for the EMC Directive. Please note that shielded cable must be used.



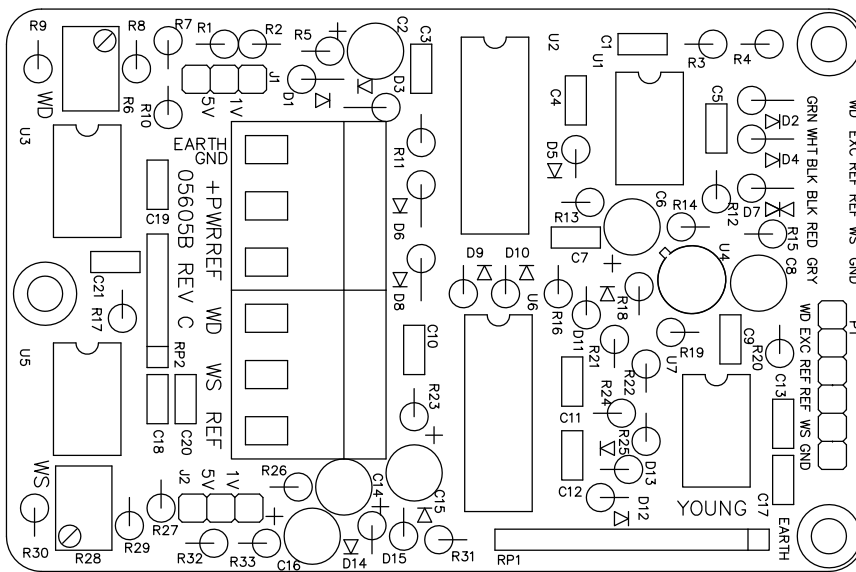
Declaration of Conformity

R. M. Young Company
 2801 Aero Park Drive
 Traverse City, MI 49686 USA

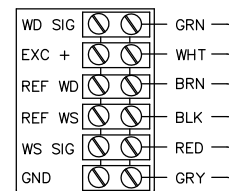
Model 05608C Wind Sensor Interface conforms to the provisions of Council Directive 2004/108/EC (December 15, 2004) on Electromagnetic Compatibility



- NOTES:
1. ALL RESISTORS ARE 1/4-WATT, METAL-FILM, 1% UNLESS OTHERWISE NOTED.
 2. ALL CAPACITORS ARE IN μF UNLESS OTHERWISE NOTED.
 3. CAPACITORS SHOWN AS $\mu\text{F}/\text{WV}$



TERMINAL STRIP AND MOUNTING BRACKET ATTACHED TO ENCLOSURE WHEN SOLD IN SEPARATE ENCLOSURE.



MODEL 05608C WIND SENSOR INTERFACE	DWG A	PRD 01/13
0-5 VDC OUTPUT (0-100 M/S)	DWN JMT	DWN 04/13
	CHK <i>[Signature]</i>	W05603C(A)
R.M. YOUNG CO. TRAVERSE CITY, MI 49686 U.S.A. 231-946-3980		