

## 4 to 20 mA transmitter Wind speed, Wind direction

### 4 to 20 mA

#### WIND DIRECTION TRANSMITTER Model : TR-AD3W

- \* Measuring range : 0 to 360 degrees.
- \* Start wind speed :  $\leq 0.5$  m/s.
- \* Accuracy :
  - $\pm 3$  degrees ( after calibration ).
- \* Power supply : DC 12 to 30 V.
- \* Output signal : 4 to 20 mA
  - 4 mA = 0 degree
  - 20 mA = 360 degrees
- \* 3 wires :
  - Brown ( + Vcc ), White ( + lout ),
  - Blue ( Ground ).
- \* Typical load resistance : < 250 ohm.
- \* Body material : Aluminum alloy.
- \* Vane material : Stainless steel.
- \* Max. wind speed : 70 m/s.
- \* Operating Temp. : -20 to 80 °C.
- \* Operating humidity : 0 to 90 %RH.
- \* Protection class : IP65.
- \* When TR-AM3W cooperate the 4-20 mA Controller/Alarm/Indicator CT-2012, then whole system will become the high performance Wind direction Controller/Alarm/Indicator.

### 4 to 20 mA

#### WIND SPEED TRANSMITTER

##### Model : TR-AM3W

- \* Measuring range : 0.5 to 50 m/s
- \* Start wind speed :  $\leq 0.5$  m/s.
- \* Accuracy :
  - $\pm 0.5$  m/s ( < 5 m/s )
  - $\pm 3\%$  F.S. (  $\geq 5$  m/s )
- \* Power supply : DC 12 to 30 V.
- \* Output signal : 4 to 20 mA
  - 4 mA = 0 m/s
  - 20 mA = 50 m/s
- \* 3 wires :
  - Brown ( + Vcc ), White ( + lout ),
  - Blue ( Ground )
- \* Typical load resistance : < 250 ohm.
- \* Body material : Aluminum alloy.
- \* Wind cup material : Stainless steel.
- \* Max. wind speed : 70 m/s.
- \* Operating Temp. : -20 to 80 °C.
- \* Operating humidity : 0 to 90 %RH.
- \* Protection class : IP65.
- \* When TR-AM3W cooperate the 4-20 mA Controller/Alarm/Indicator CT-2012, then whole system will become the high performance Wind speed Controller/Alarm/Indicator.



### 4-20 mA Controller/Alarm/Indicator

#### Model : CT-2012

- \* Input : 4-20 mA DC, linear.
- \* User can default the desired display value between -1999 to 9999 ( decimal point can be selected to DP1, DP2, DP3 ) and all the preset data will be saved into the memory circuit permanently.
- \* When CT-2012 cooperates with LUTRON'S 4 to 20 mA transmitters, whole system will become the high performance Controller/Alarm/Indicator for following measuring functions : Wind speed, Wind direction Humidity, Light, pH, Dissolved Oxygen, Conductivity, Vibration, Pressure, Sound, Temperature, RPM, Hz, Load cell ( Weight, Force ), Potential ( Angle, Level ), ACV, ACA, DCV, DCA, WATT....
- \* Control output : 2 points ( COM, NO ).
- \* Alarm output : 2 points ( COM, NO ).
- \* DC voltage power supply output.
- \* RS232/USB computer interface.
- \* Power : 90 ACV to 260 ACV, 50/60 Hz.
- \* DIN size : 96 x 48 mm. Depth : 107 mm.