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PRODUCT INFORMATION BULLETIN

TAC-MONITOR Proportional Speed Monitor MODEL 22-8100-6111-10V

DESCRIPTION

BWIEagle's highly accurate PROPORTIONAL SPEED MONITOR converts rotary shaft speed (RPM) into a 0 - 10 VDC analog output. This allows "true-slip" monitoring during the critical ramp-up period of conveyors. The TAC-MONITOR interfaces directly with the customer's PLCs. Remote sensors may be located up to 2 miles from the modular control unit.

INSTALLATION

Disconnect AC power before proceeding with installation

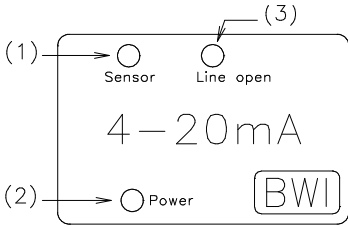
1. Mount the TAC-MONITOR socket inside an existing control panel or other suitable protective enclosure
2. Make the following connections on the socket:

TERMINAL	CONNECTION
1	Sensor - Common (-)
2	Sensor - Positive (+)
3 - 4	No Connection
5 - 6	120 VAC
7	No Connection
8	0-10 Output - Common (-)
9	0-10 Output - Positive (+)
10 - 11 - 12	No Connection

3. Install EAGLE ROLLERSENSOR.

LED INDICATORS

1. SENSOR LED - Pulses at the rate of speed being received by the sensor
2. POWER LED - Indicates that power is applied to unit



LINE OPEN - Not used on this model.



SPECIFICATIONS

AC Input	120 VAC 8 W	
Fuse Protected	1 amp	
Input Frequency Range	.166hz - 1.66 Hertz	
Output	Proportional 0-10 VDC	
Linearity	Better than 1%	*See Note
Accuracy	Better than 1%	
Repeatability	Better than .5%	
Enclosure	ABS Plastic	

**Note - For maximum accuracy, please allow 10 to 15 minute warm-up period after initial 120VAC is applied.*

REPLACEMENT AND OPTIONAL PARTS

DESCRIPTION	PART NUMBER
Control Module	22-8102-6111-10V
Mounting Socket	22-8003
RollerSensor	100-0905-TI-UNIV-L4

TAC-MONITOR

Proportional Speed Monitor

MODEL 22-8100-6111-10V

APPLICATION INFORMATION

MODEL 22-8100-6111-10V

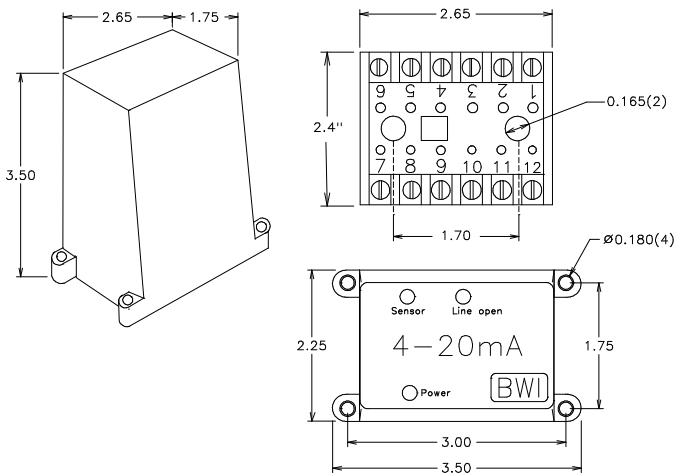
This model has an INPUT FREQUENCY RANGE of 0.00hz to 101.85hz.

$$\text{INPUT FREQUENCY} * 60 = \text{RPM}$$

Examples:

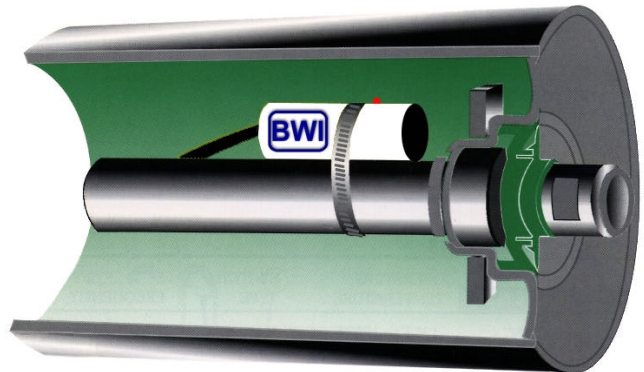
101.85hz * 60 = 6111 RPM**
**This represents a full scale range of 0 to 100 MPH

DIMENSIONS



ROLLERSENSOR

MODEL 100-0905-TI-UNIV-L4



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