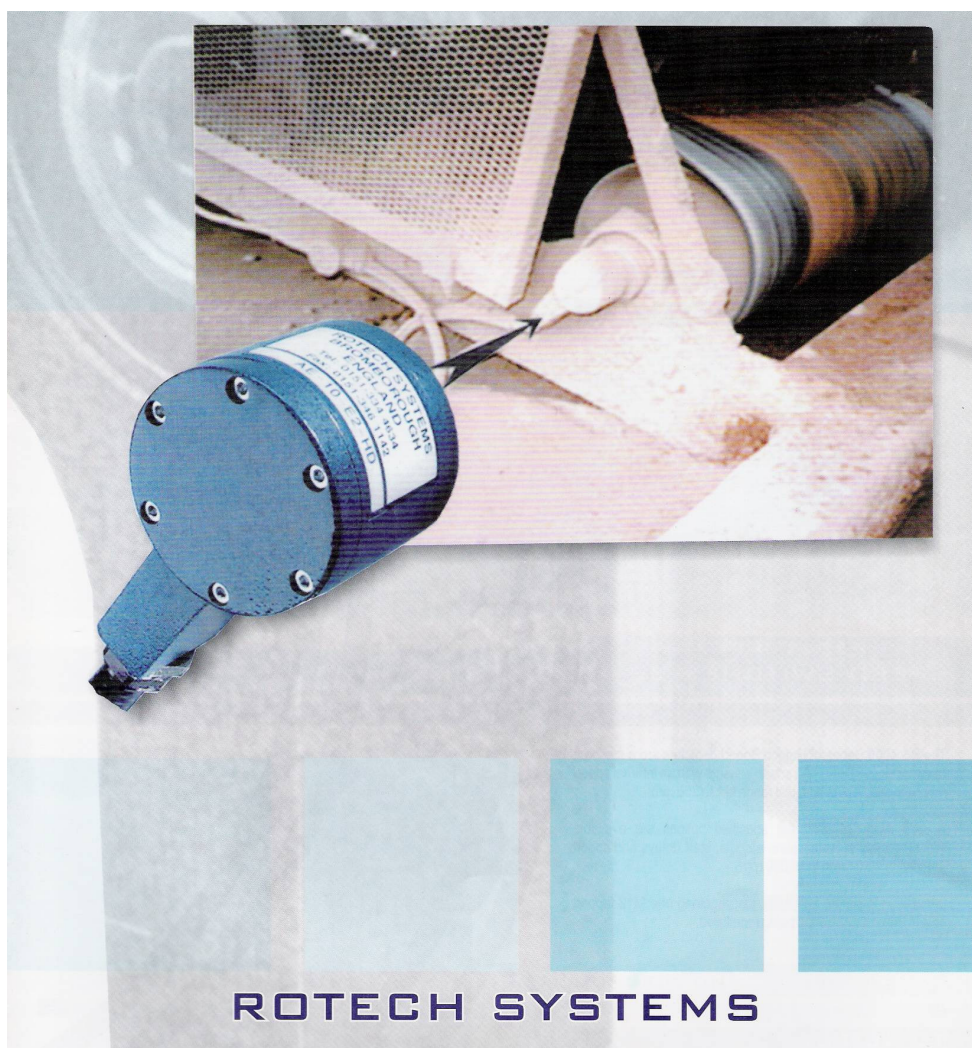


***Rotary encoders / Speed switches and Vibration sensors***



## SHAFT ENCODERS PE 4000 SERIES

The PE 4000 series of Rotech Shaft Encoders are manufactured in an extremely tough and durable 30% glass fibre reinforced polypropylene.

Installation is simple and easy, just requiring one M12 tapped hole in the end of the shaft being monitored.

A wide range of number of pulses per revolution are available together with AC and DC electrical outputs.

### FOR MONITORING:

SPEED  
DISTANCE  
DIRECTION  
BELT SLIP  
ROTATION FAILURE  
SHAFT STOPPED  
UNDER SPEED  
OVERSPEED  
SAFETY GUARDS



## SPEED SWITCHES SS 4000 SERIES

The SS 4000 Series of Rotech Speed Switches are a compact range of Heavy Duty shaft speed sensors with an internal speed relay adjustable over a typical range of 1 to 250 rpm.

A wide range of customer specified options are available including relay or solid - state outputs, start delays and speed ranges from 0.01 rpm to 10,000 rpm.

Installation is simple and easy, just requiring one M12 tapped hole in the end of the shaft being monitored.

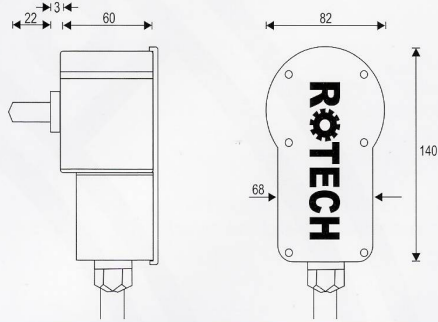
### TO DETECT:

BELT SPLIT  
ROTATION FAILURE  
SHAFT STOPPED  
UNDERSPEED  
OVERSPEED



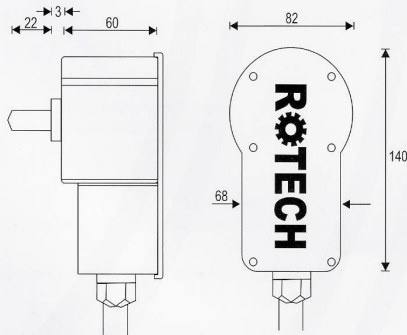
**DIMENSIONS AND INSTALLATION INFORMATION**

**ELECTRICAL OUTPUTS**



**PROTECTION - I.P.66**

<p>TYPE (N.P.N.) 10 - 30Vdc</p>	<p>TYPE E2 (P.N.P.) 10 - 30 Vdc</p>	<p>TYPE E3 (P.N.P + N.P.N) 10 - 30 Vdc</p>
<p>TYPES EQ, E2Q &amp; E3Q (QUADRATURE)</p>	<p>TYPES W 24 - 240V AC/DC</p>	<p>TYPE N (NAMUR) 5 - 25Vdc</p>



**PROTECTION - I.P.66**



OUTPUT	SCHEMATIC	CONNECTION	SUPPLY
RELAY		BROWN BLACK BLUE	6 VDC OR 12 VDC OR 24 VDC
TRANSISTOR		BROWN BLACK BLUE	10 TO 30 VDC OR 5 TO 15 VDC



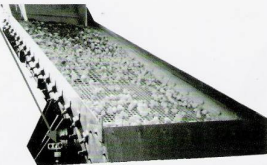
VIBRATION SENSORS - VS 4000 SERIES

APPLICATIONS

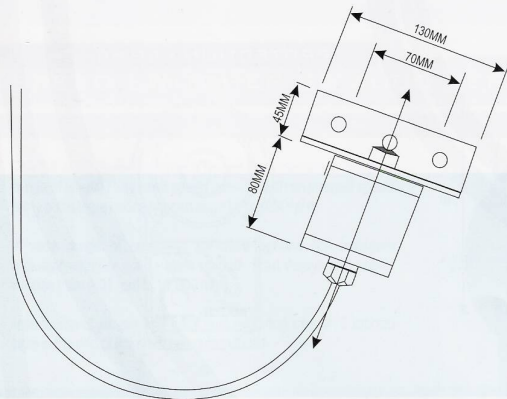


Monitoring Vibrating Screens for Slowdown, Stoppage, Breakage or Irregular Vibration, used with **Rotech SR 4001** Speed Relay or **PLC** gives an alarm, shuts down screen drive motor and / or shuts down in-feed conveyor.

Tough, robust and easily installed, unit are designed for long and durable service in even the harshest of environments.



DIMENSIONS AND INSTALLATION INFORMATION



Angled Sensor bracket bolted or welded to screen sideplate

**IMPORTANT**  
Remove sensor from bracket whilst welding

Align Sensor bracket in main direction of screen movement

PROTECTION - I.P.66

