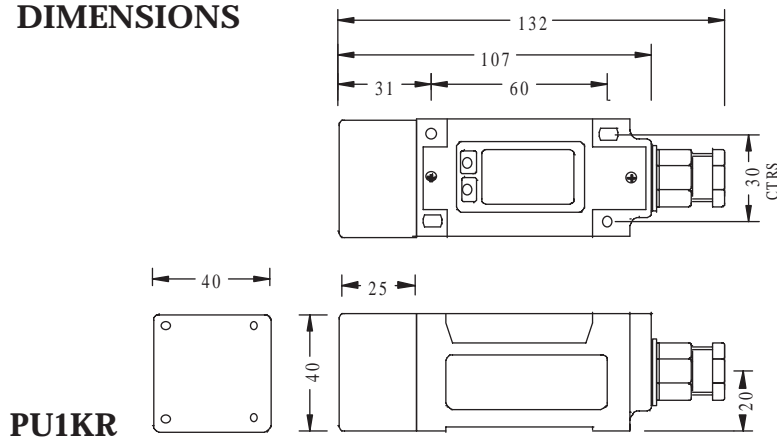


DIMENSIONS



PROGRAMMABLE VERSION PU1KR

The Rotamatic underspeed monitor is a microprocessor controlled, self contained underspeed detector, capable of operating over a wide speed range to monitor rotation of shafts to detect an underspeed condition. It is ideal for monitoring the rotation of conveyors, elevators, fans, grinders, mixers and numerous other industrial applications.

The unit incorporates a proximity sensor which can detect a metal protrusion on a shaft. This may be an existing key way or a device attached for detection purposes.

Calibration is automatically carried out simply by pressing a push button, while the shaft is rotating at the correct speed. The unit will automatically measure the speed

and self calibrate to trip at 20% below.

The same pushbutton may be used to set a start up delay adjustable between zero and 30 seconds.

The Rotamatic operates on virtually any power supply.

- * **Microprocessor Controlled**
- * **Automatic Calibration over speed ranges from 10 P.P.M to 3,600 P.P.M**
- * **No Contact with Rotating Shaft, No Moving Parts.**
- * **Universal Voltage Operation.**
- * **Adjustable Start-up Delay**

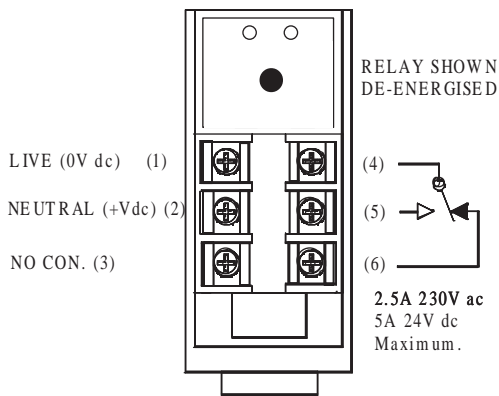
SPECIFICATION

SUPPLY	24 - 240V ac, 12 - 240V dc.
CURRENT CONSUMPTION	50mA max.
OPERATING TEMPERATURE	-10 to +50°C.
OPERATING SPEED	10 - 3,600 Pulses per Minute.
ENCLOSURE	Moulded glass filled polyester.
PROTECTION	IP65.
REPEAT ACCURACY	Better than 2% of working speed over entire range.
OUTPUT	Voltage free single pole relay contact rated 2.5A 240V ac non inductive.
OUTPUT STATE	Relay normally energised with shaft rotating at correct speed (fail safe).
START-UP DELAY	Programmable delay 0-30 seconds, initiated by application of supply.
TERMINATION	Screw Terminal block accessible by removal of cover.
CABLE ENTRY	20mm tapped conduit entry.
LED INDICATION	LED indication of input pulses and output relay energised.
WEIGHT	185 gms.
CALIBRATION	Push button - automatic calibration when pressed.
SENSING RANGE	15mm max - ferrous target.
TARGET	Metal protrusion, ideally min 30mm diameter. A suitable target is included.

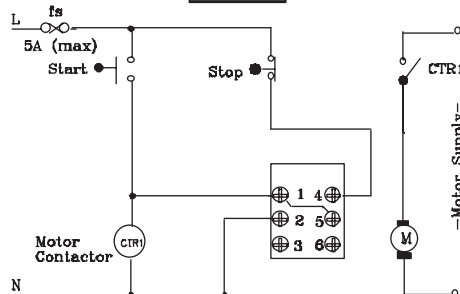
HOW TO ORDER:-

SPECIFY ROTAMATIC TYPE PUIKR (No need to state supply voltage or speed range).

CONNECTIONS



Typical Installation



Detection & Control
in action