INDUCTIVE SPEED DETECTORS

Feature

The speed detector is a self contained device incorporating an impulse generator for the detection of rotational speed.

No additional external amplifier or control device is required. The speed monitor gives noncontact rotational speed detection on the principle of an inductive proximity switch and monitors the speed to check that it does not fall below a minimum preset value. This minimum value is adjustable.

The unit contains a fixed time duration override circuit for the start up period, as well as an indicator to show the output state.

When the supply voltage is switched on, the output circuit is on for the start up override period. If the desired set speed is reached by the end of the start up period then the circuit remains on.

If the set minimum speed is not reached by the end of the start up override period, or if the speed subsequently falls below the set minimum value, then the output is switched off.

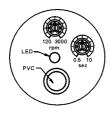
Cancellation of this state is achieved by disconnecting the supply voltage.

Application

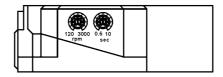
Typical applications include under speed,locked rotor and zero speed detection for shaft,belt or web breakage,sequentional motor starting or runout detection.

■ Panel Face

CULINDER M30



• 5 WAY ROTATIONAL HEAD



■ Functional Instruction and Adjustment

Front Diagram	Condition	Functional Instruction and Adjustment
120 3000 rpm	The green LED on the front turns on.	Turn the potentiometer to the point required the speed range is 120 rpm to 3000 rpm.
0.5 10 sec		The time delay is 0.5 sec to 10 sec, turn the potentiometer to the point required.

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