

For Rotation Monitoring

The aue 400 series speed relay modules are intended for use with all Rotech motion sensors, shaft encoders, wheel encoders and proximity probes to detect if the speed of a rotating shaft rises or falls below a preset level.



UK
CA

FEATURES:

Dual ac supply standard - (optional - 12/24 volt D.C.)

Easy setting of required trip/alarm speed directly in rpm

Three speed ranges are available on each module. Standard ranges are 1-10 rpm, 1-100 rpm and 1-1000 rpm. The required range being selected by link on the terminal rail. Other modules are available with ranges covering the speeds 0.01 rpm to 20,000 rpm.

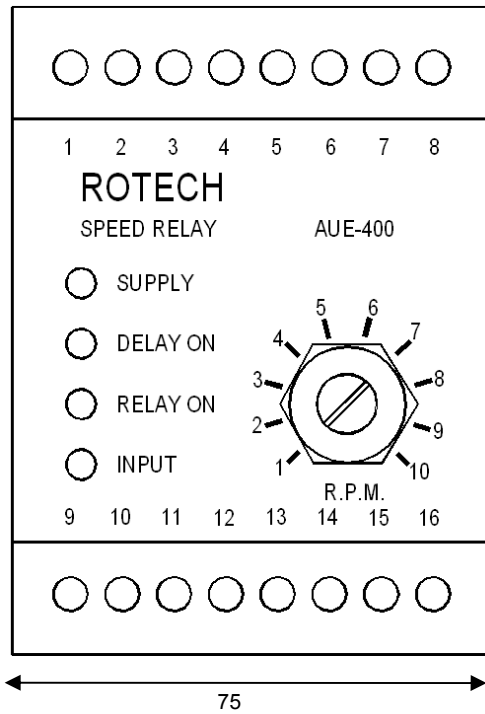
In normal operation the output relay of the module is energised if the speed of the shaft is above the set level and de-energised if the speed is below the set level.

An internal 10 second delay timer is fitted as standard to allow for the run up time of the drive being monitored.

An opto-isolated input signal repeat output fitted as standard.

Front mounted LED's indicate power on, delay on, relay energised, and input signal status.

Dimensions and Installation Information



Shown in millimetres

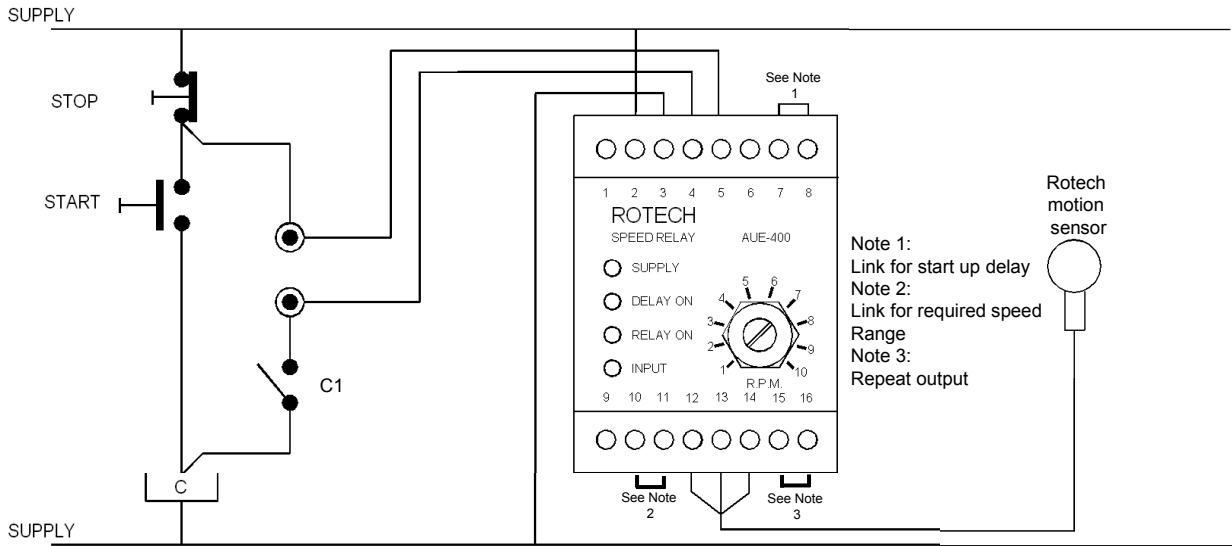
1	AC Supply	110/120V } 220/240V 50/60Hz } 50/60Hz	Brown } Motion sensor input type W only Blue }
2	AC Supply		
3	Neutral		
4	N.O.	Output relay rated 250VAC/30VDC @5a	
5	Common		
6	N.C.		
7	10 Sec Delay	Link for start up delay	
8	Delay		
9	A.C. Input		
10	0-100 RPM	Link to terminal 14 for speed range Required – no links – 0 to 10 RPM	
11	0-1000 RPM		
12	0VDC	Blue } 2 Wire Type N Brown }	Blue } 3 wire sensors Type E, E2&E3 Brown }
13	Signal +12VDC		
14			
15	+	Opto – isolated repeat output 1.2V/80 mA	
16	-		

Note: typical part no = AUE 416

AUE= speed relay-advanced series
4- 400 series
16- calibrated for use with 16 pulse / rev motion sensor

Note: start delay — The 10 second start delay operates every time an external switch or contact connects terminal 7 & 8
Alternatively with a fixed link between terminals 7 & 8, the 10 second delay will operate every time power is applied to the module

Typical installation shown for 110/120 V AC supply



MOTOR CONTROL CIRCUIT

Mounting - DIN 35 x 7.5 mm RAIL
Environment Ingress - IP 50
Temperature - -10°C to +70°C

Repeat Output Facility

