

### 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.



#### 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.

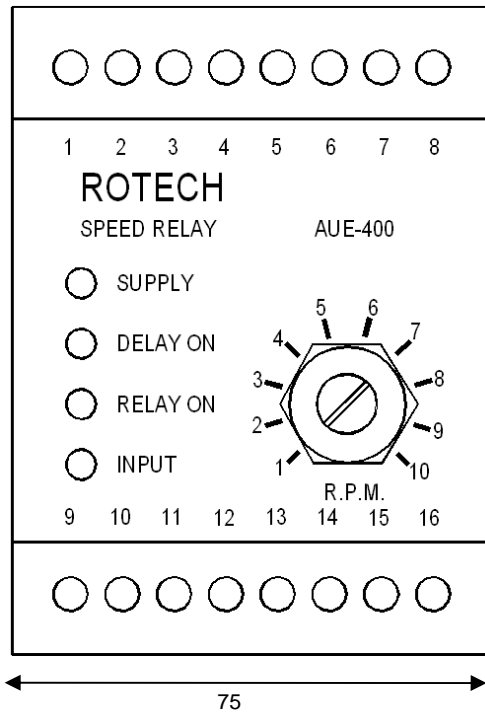
In normal operation the output relay of the module is energised if the speed of the shaft is above the set level and de-energised if the speed is below the set level.

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

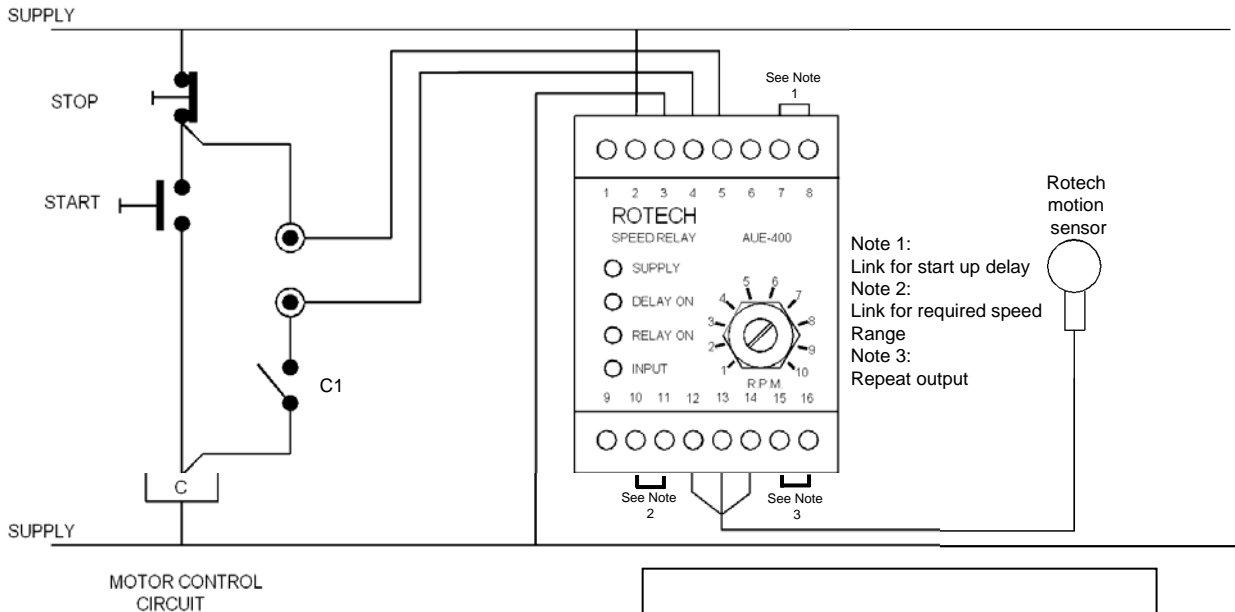
1	AC Supply	110/120V 50/60Hz	220/240V 50/60Hz	Brown
2	AC Supply			
3	Neutral			
4	N.O.	Output relay rated 250VAC/30VDC @5a		Motion sensor input type W only
5	Common			
6	N.C.			
7	10 Sec	Link for start up delay timer		Blue
8	Delay			
9	A.C. Input			
10	0-100 RPM	Link 10 or 11 to terminal 14 for speed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

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



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

Repeat  
Output  
Facility

