

MOTOR POSITIONER

- Split phase a.c. drive
- Triac output
- Velocity mode operation with position feedback
- Electronic limits
- Position signal output

The 6510 motor positioner can drive split phase A.C. motors rated at up to 1 amp and 240 Volts. It has a 0 to 5V or 0 to 10V demand input, and requires the connection of a feedback pot on the motor. A 0 to 5 or 0 to 10V signal representing position is produced. The motor is moved to the required position in velocity mode with position feedback, the power to the motor being switched by triacs. The incoming demand signal can be electronically limited by two fascia mounted controls.

1.1. Issue 3



INPUTS:

Demand signal input impedance (with limits inactive)	44K Ω
Feedback potentiometer impedance	minimum 50 Ω maximum 5K Ω standard 135 Ω
Voltage developed across feedback potentiometer	0.5V
Feedback signal input impedance	minimum 100K Ω

OUTPUTS:

Position output	0 to 10V or 0 to 5V
Maximum current from position output	5mA
Error output 0%	5V
+10%	7V
-10%	3V
Maximum current from error output	5mA

TRIAC OUTPUT:

Maximum supply voltage	240V
Maximum supply current	1A
Output fuses	1A

CONTROL MODE

Velocity mode with position feedback.
Time proportioning output when error
< 10%
100% output when error > 10%

<u>DESCRIPTION</u>	<u>ORDER CODE</u>
<u>SPLIT PHASE A.C. MOTOR POSITIONER</u> Module width 24mm	6510
<u>Motor voltage</u> (maximum 240V) please specify <u>Input demand signal</u> 5V or 10V <u>Feedback potentiometer value</u> 135 Ω standard Max. value 5K Ω , min, value 50 Ω	---V 5V 10V 135 Ω
<u>Front Adjust Limits</u> Max. and min. limits on input demand signal	LIM

EXAMPLE6510/24V/5V/135 Ω /LIM

