

MOTOR POSITIONER

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

The 6512 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 1



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:

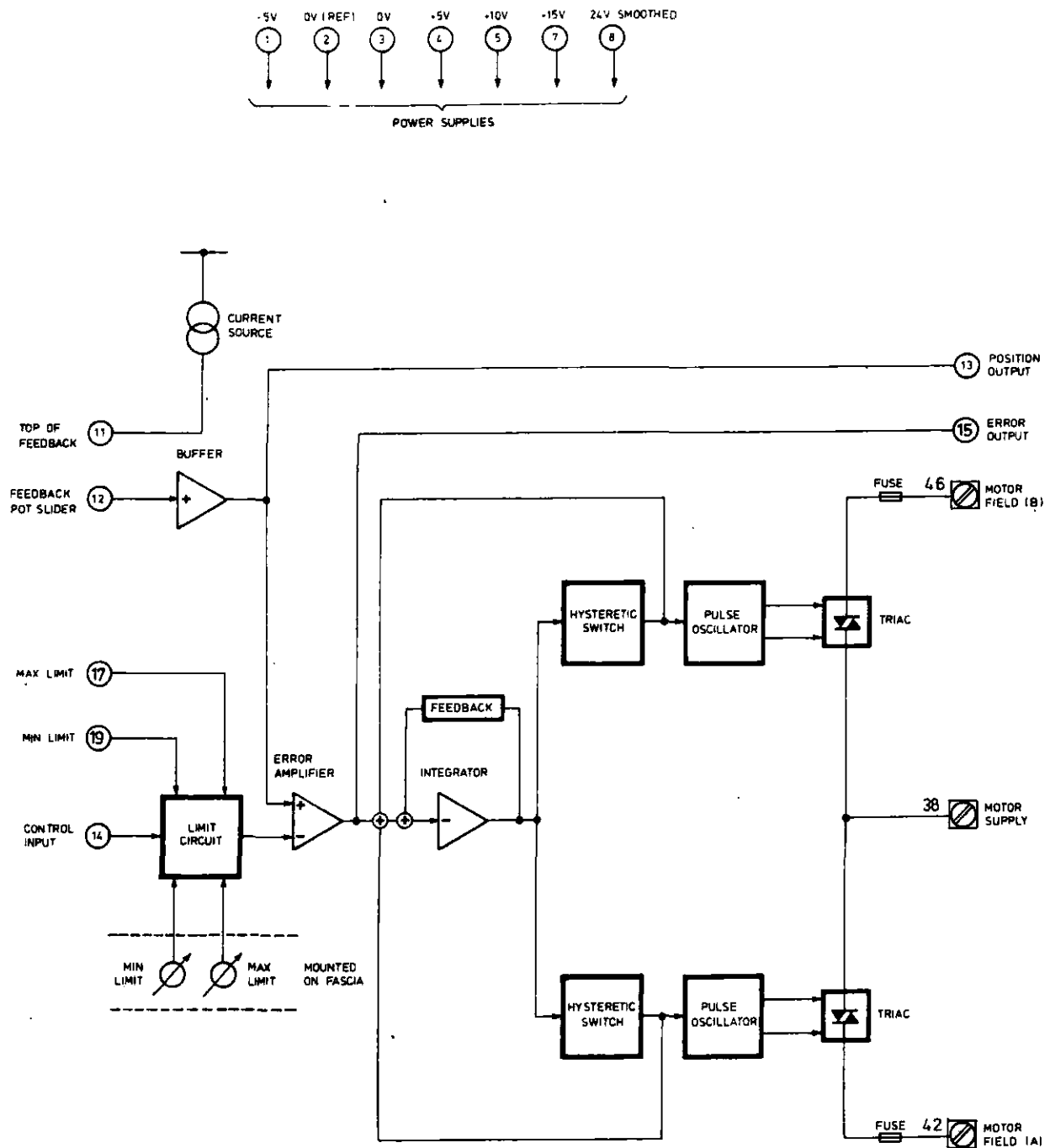
Maximum supply voltage	240V
Maximum supply current	1A
Output fuses	1A

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	6512
<u>Motor voltage</u> (maximum 240V) please specify <u>Input demand signal</u> 5V or 10V	---V 5V 10V
<u>Feedback potentiometer value</u> 135 Ω standard Max. value 5K Ω , min, value 50 Ω	135 Ω
<u>Front Adjust Limits</u> Max. and min. limits on input demand signal	LIM

EXAMPLE6512/24V/5V/135 Ω /LIM

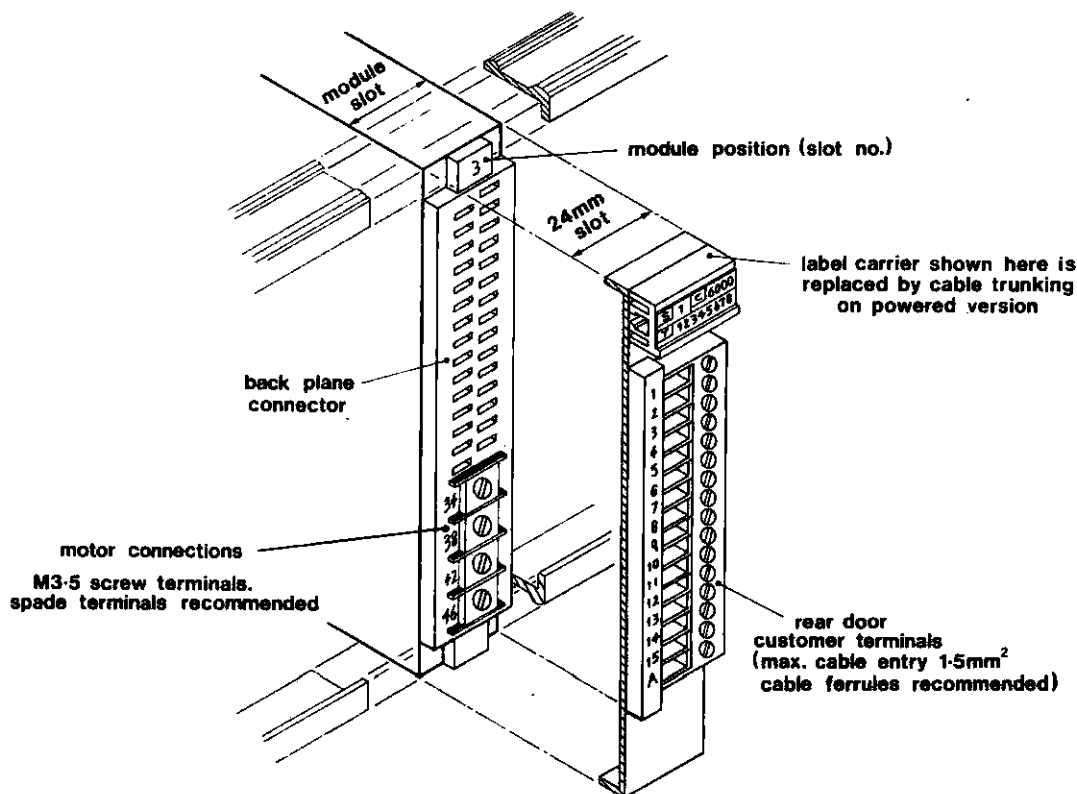


Identity

6512 MOTOR POSITIONER

Rack No.

Slot No.



The TA6512 termination assembly consists of a 48-pin back plane connector with a wire loom linking the module connections on the back plane to one row of 16 customer terminals.

The assembly is used to mount 6512 Motor Positioners into the 7950 Universal Packaging System. The connections from the motor are directly wired to the screw terminals on the back plane and depending on the motor supply may be at mains potential.

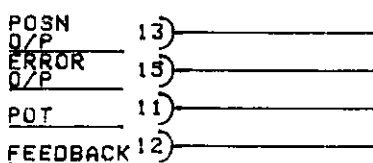
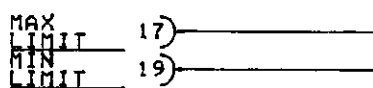
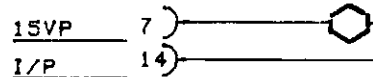
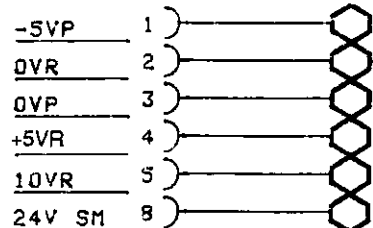
Detailed technical and mechanical specifications can be found in the following documents :-

7950 Product Specification
6512 Product Specification
6512 Maintenance Manual

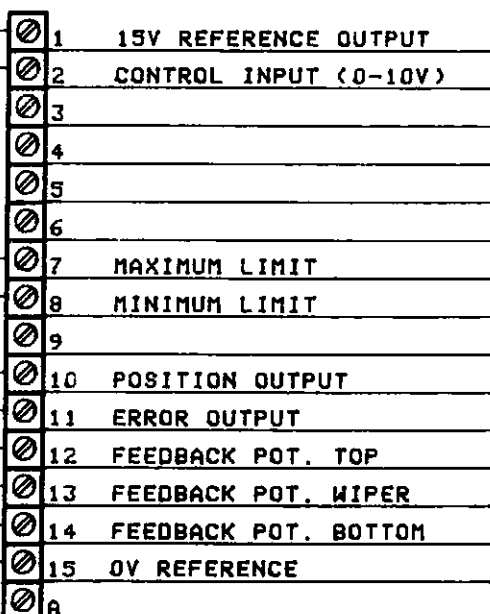
TA65₁₂

TERMINATION ASSEMBLY INTERCONNECTIONS

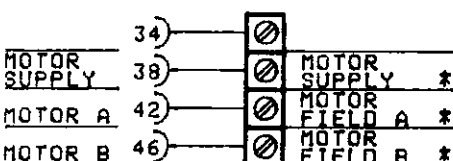
BACK PLANE



REAR PANEL SCREW TERMINALS



PLANT INFORMATION



MOTOR CONNECTIONS

BACK PLANE
CUSTOMER
CONNECTIONS

* WARNING THESE SCREW CONNECTIONS MAY BE AT MAINS POTENTIAL.

THESE LINES MAY BE BUSSED TO OTHER MODULES IN THE RACK.