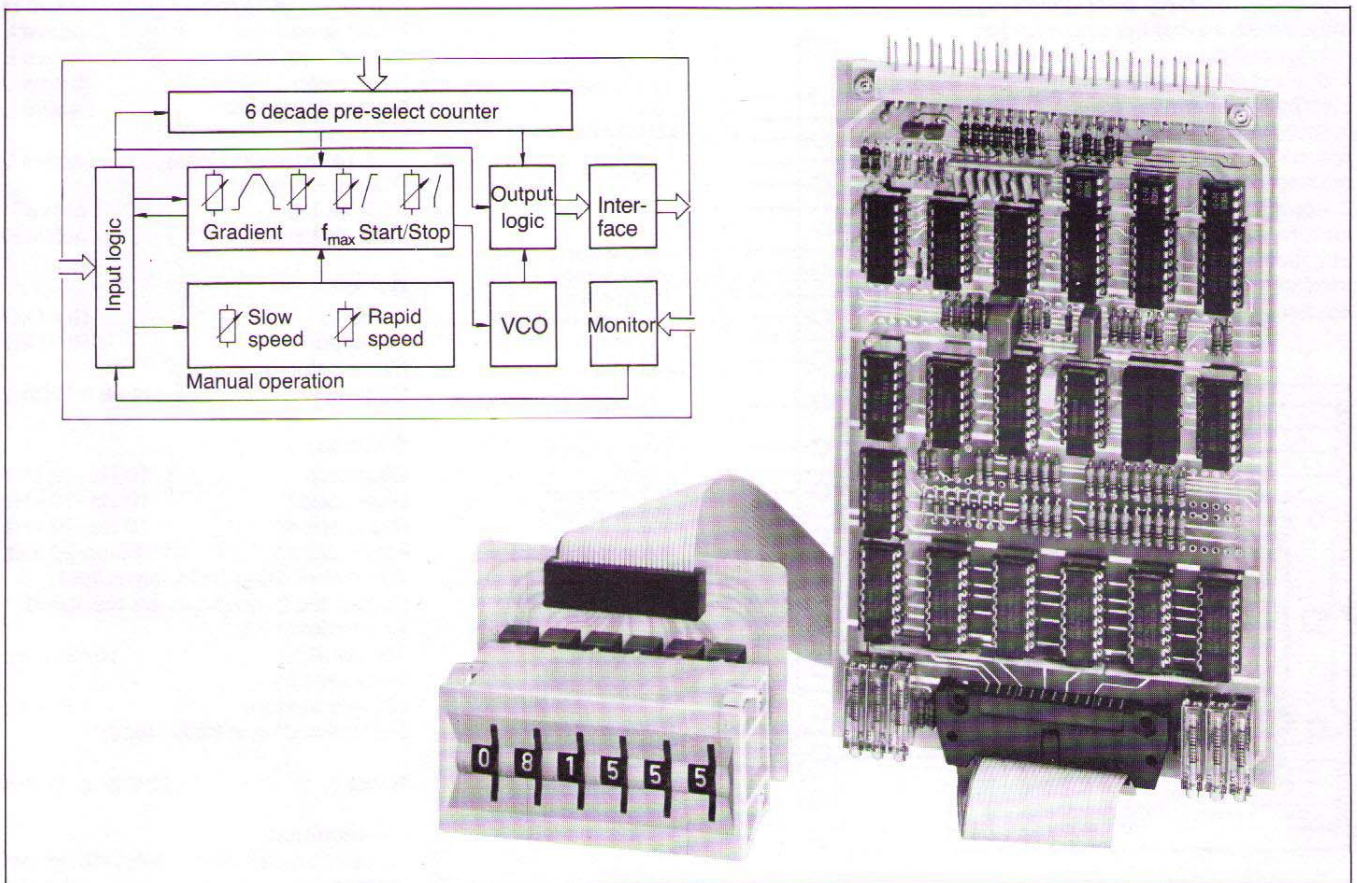




Counter Ramp

Type **EHZ 01.002**



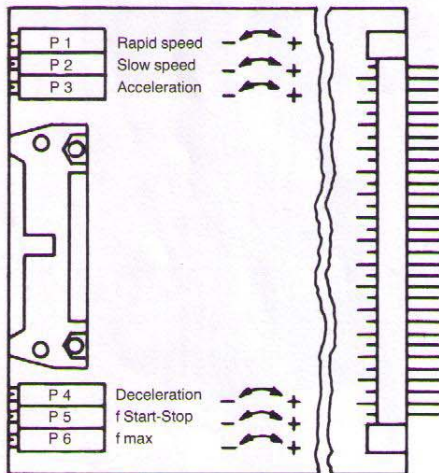
Board in European dimensions for controlling stepping motor output stages

Counter ramp EHZ 01.002

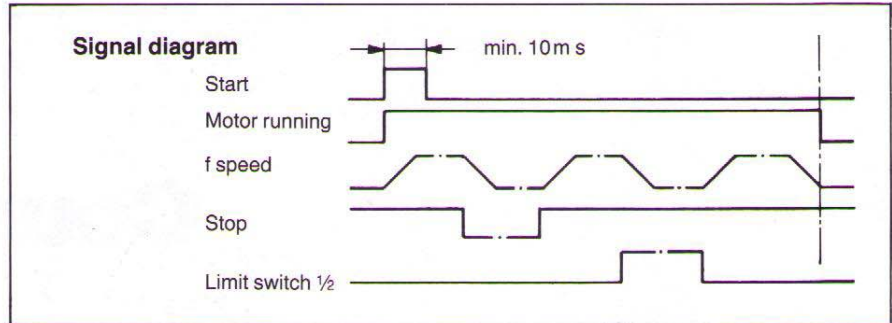
This board in European dimensions contains all the circuits necessary for generating an impulse sequence suitable for controlling a stepping motor output stage.

The pre-select counter is loaded with the desired No. of steps in BCD code via decade switch or primary control system. Connection is via a 26 pole flat cable connector at the front end of the board. The ramp generator transforms the output impulses to a time function of optimum contour for the stepping motor and the SIG hydraulic amplifier. The gradient of the acceleration and braking ramps can be adjusted separately and independently.

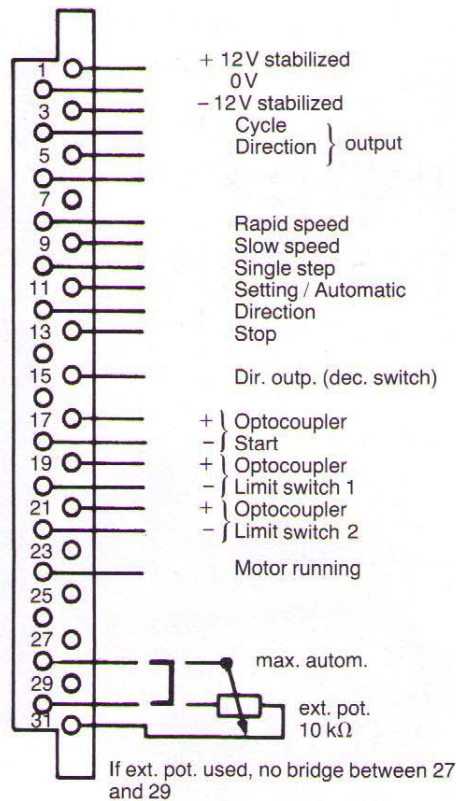
The correct off-ramp point is always determined, so that the start-stop frequency coincides step for step exactly with «end-of-step output». The logic incorporated permits operation under manual or automatic control. Under manual control the acceleration and braking ramps are of equal gradient. 2 inputs for monitoring limit switches lock the impulse output according to the direction. One output (open collector) indicates whether steps are being emitted.



Adjusting facilities on the board



An optional impulse of 100 ms at the end of step output is also available.



Connection: DIN 41 617

Technical data:

Inputs:

6 decades BCD code	active H
Rapid speed	active L
Slow speed	active L
Single step	active L
Setting/Automatic	active L
Direction	
Stop (without step loss)	active L
Start (L - H flank)	
Limit switch 1	active H
Limit switch 2	active H

Outputs:

Cycle	Ri = 1 kΩ
Direction	Ri = 1 kΩ
Motor running	
Counter=0	impulse 100 ms

Settings:

Start/Stop	10 Hz - 2 kHz
Slow speed	10 Hz - 10 kHz
Rapid speed	10 Hz - 10 kHz
f max. autom.	Start/Stop - 20 kHz
When controlling 1000 step output stages, the frequencies are multiplied by a factor of 2.5.	
Acceleration	10 ms - 0,8 s
Deceleration (20 kHz to stop)	1 ms - 1 s
(corresponding to 9990 steps)	

Supply:

±12V stab. 50 mA

Dimensions:

European dimensions 100×160×15mm
Weight: 0,12kg

All information, specifications and data in this leaflet are subject to change without notice.



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Printed in Switzerland
Wf-H 2.305 / 02.85 / 01.24