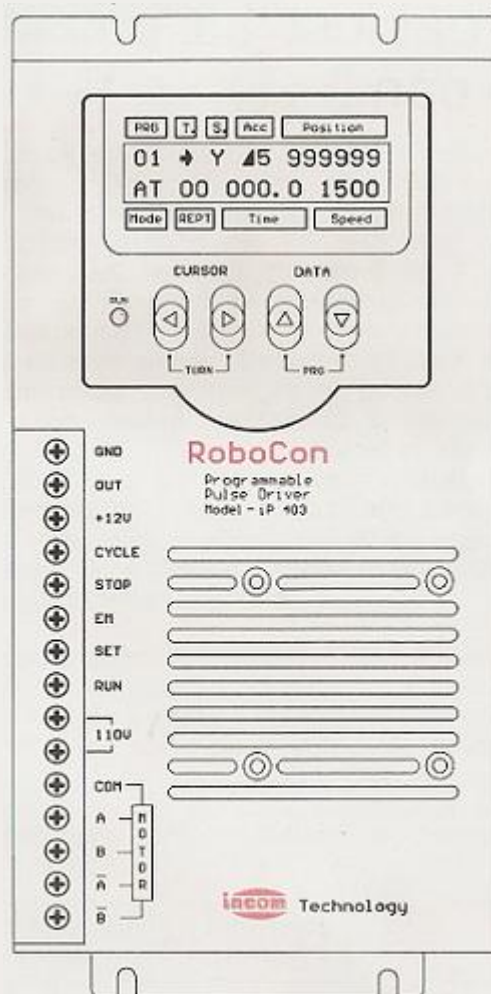


Full Digital Programmable & stepping Driver with one axis

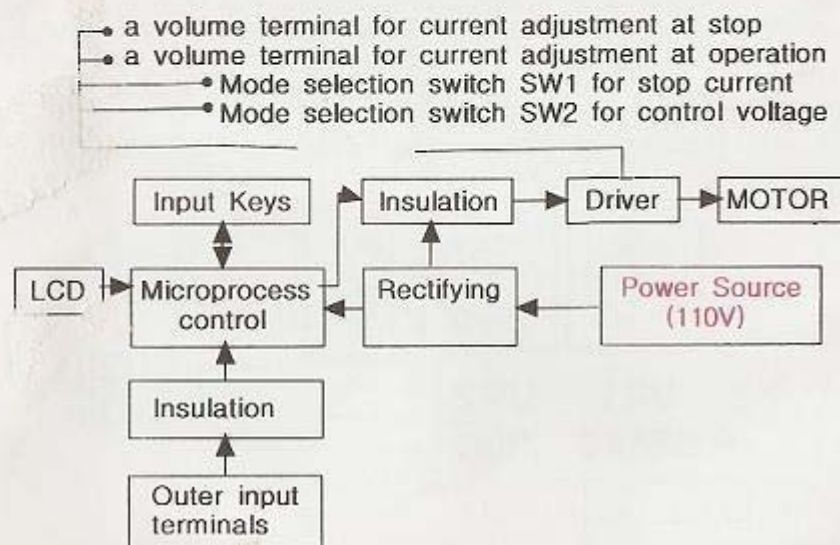
Manual for use RoboCon

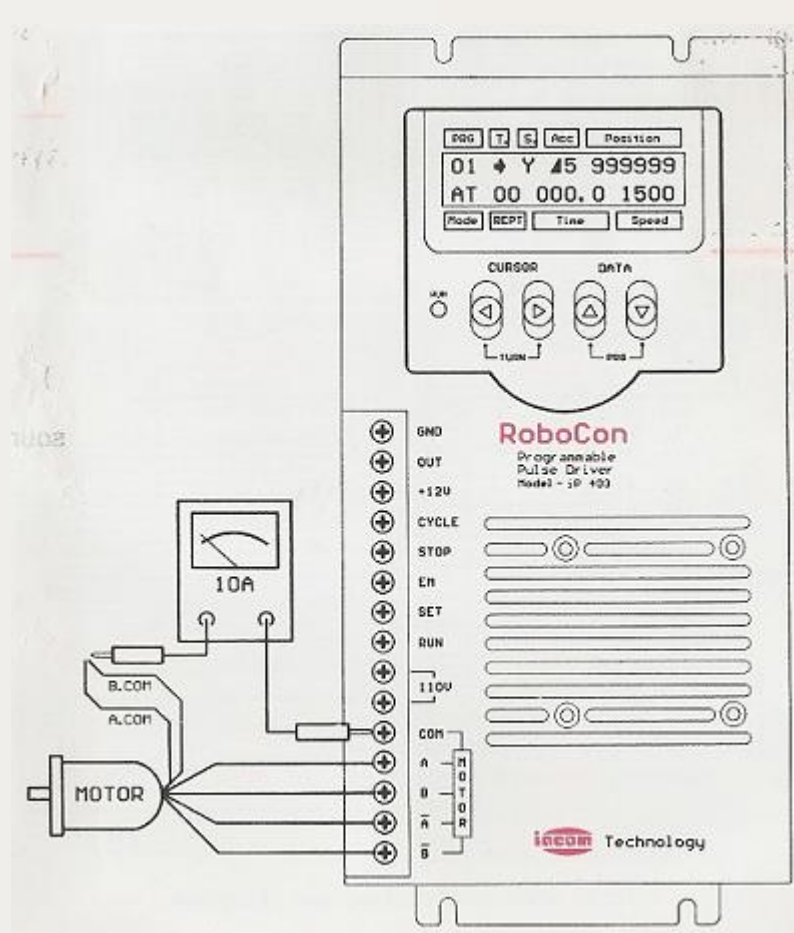


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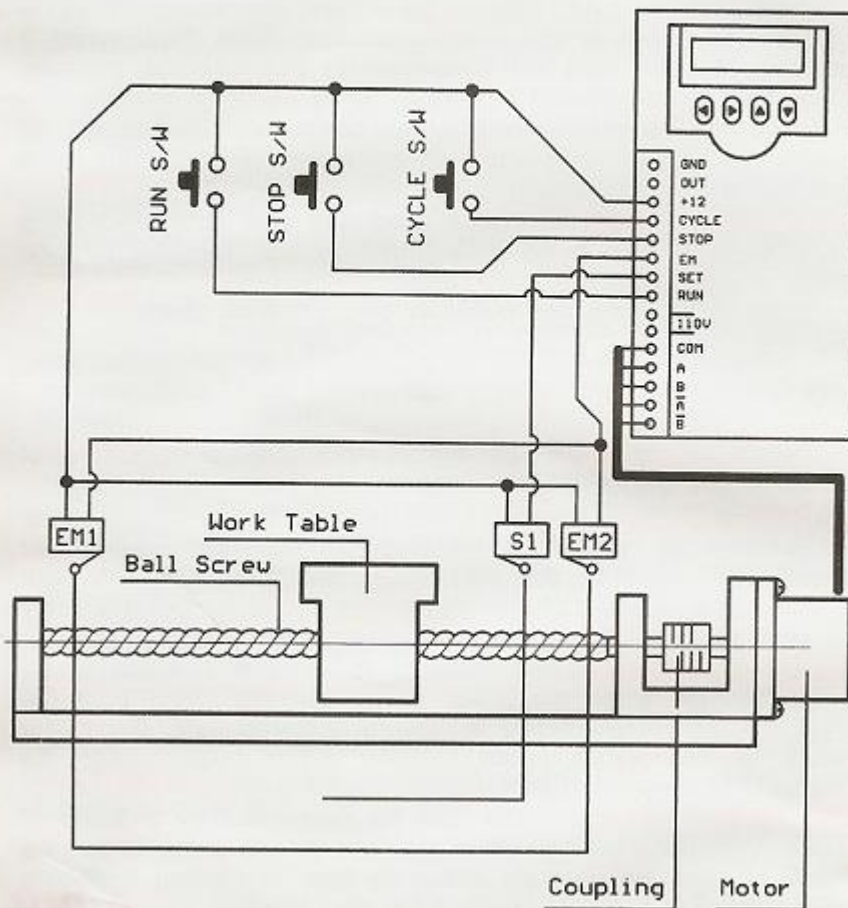
Abstract of the system

Step motors are widely used with low cost. Precise position control of X - Y table and Robot etc. can be performed by the step motors. The step motors are motors which rotate according to steps. For example, in case that a step motor needs 200 pulses(1.8 degree) for 1 rotation, when one step pulse is provided to a driving circuit of the step motor, the rotation axis of the step motor rotates 1.8 degree. Therefore the rotation angle can be controlled in the desired position by controlling the number of pulses provided to the step motors. (The present system is driven according to 2 phase exciting method. Thus the number of demanded pulses for 1 rotation is 400 in 1.8 degree step motor.) RoboCon can be used comfortably for precise control and various uses. RoboCon is a total system which can drive very easily a step motor according to a optional and free program of user. RoboCon has a following structure.





Example For Editing Program



(Example1 : One Axis Control)

1. POWER ON → Auto Run Starting Point (RPM:200)
2. Run Terminal Touch → 1.2Sec Delay → Motor is Left 1Turns (RPM:100) → 10 Repeat Run → Stop
3. Run Terminal Touch → 2.5Sec Delay → Motor is Left 10Turns (RPM:300) → Stop
4. Run Terminal Touch → Motor is Right 20Turns (RPM:1500) → Stop

1. Four buttons of "◀,▶,▲,▼" are pressed simultaneously and the power switch become ON. Then all edited data are **Clear** → POWER OFF.
2. Two buttons of "▲,▼"(Data) are pressed simultaneously and the power switch ON. → "Program Mode" → Editing Program → PRG05 Move → POWER OFF → SAVED.

PRG	T	S	Acc	Position
00	▶	Y	▲5	000000
MN	00	000.0	0200	
Mode	REPT	Time	Speed	



PRG	T	S	Acc	Position
01	◀	Y	▲5	000400
AT	09	001.2	0100	
Mode	REPT	Time	Speed	

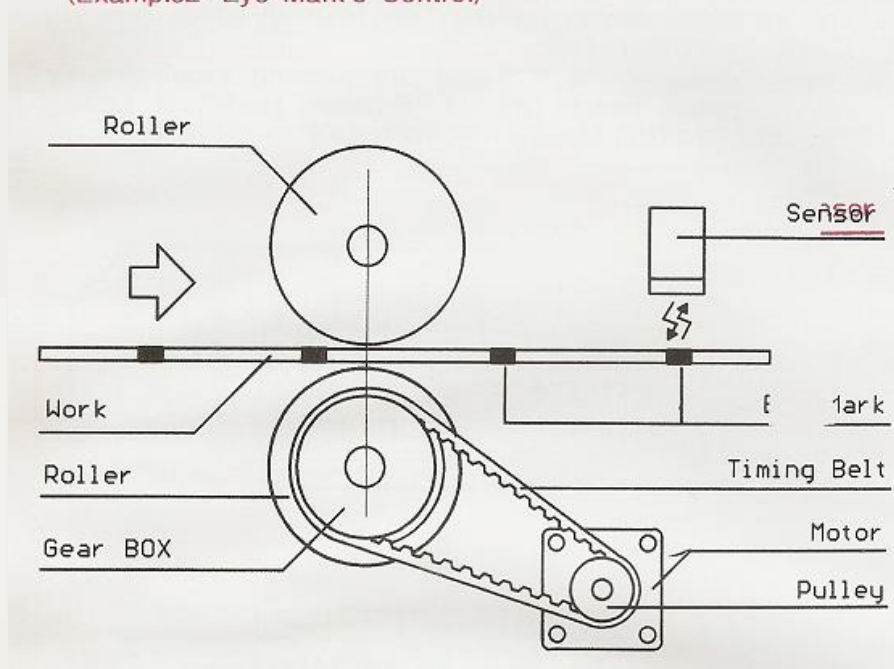


PRG	T	S	Acc	Position
02	◀	Y	▲5	004000
AT	00	002.5	0300	
Mode	REPT	Time	Speed	



PRG	T	S	Acc	Position
03	▶	Y	▲5	008000
AT	00	000.0	1500	
Mode	REPT	Time	Speed	

(Example2: Eye Mark's Control)



PRG	T	S	Acc	Position
01	➔	Y	▲5	000000
MN	00	000.0	0	0500
Mode	REPT	Time	Speed	

Dimension of outer casing

