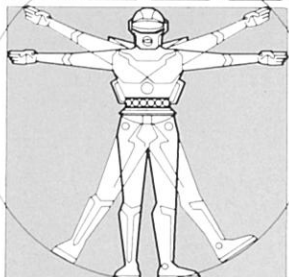


ROBO

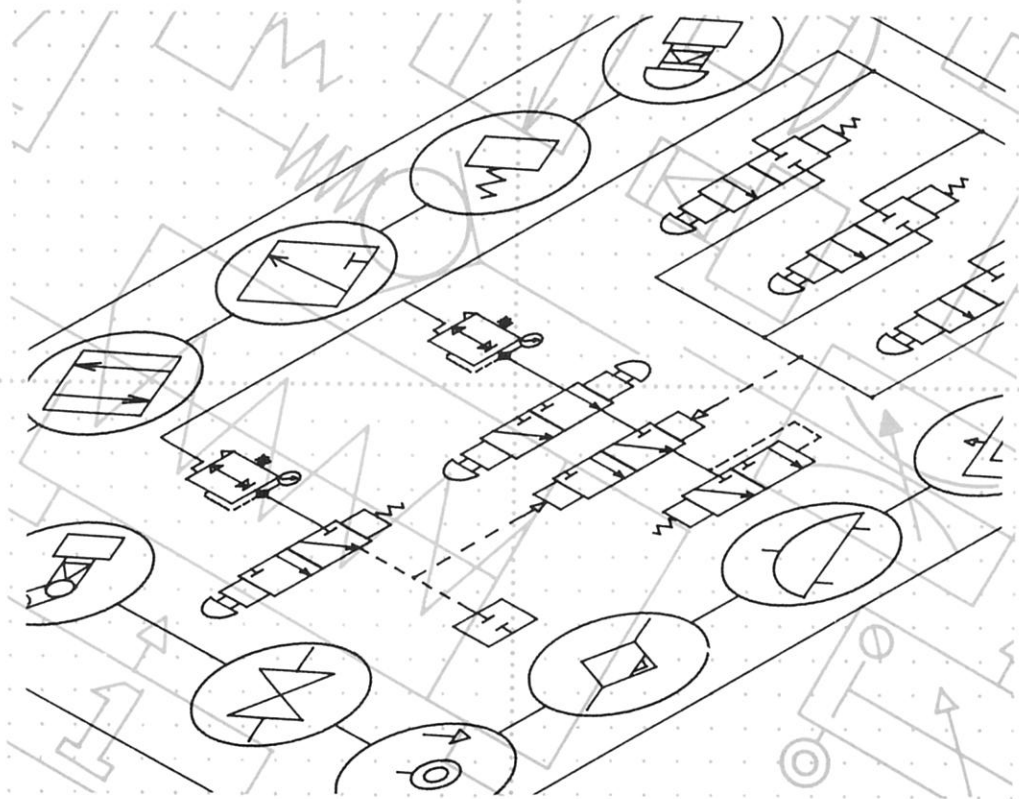


GRAPHICS

A GUIDE TO LIBRARY DISK # 230
FOR USE WITH THE ROBOGRAPHICS SYSTEM

FLUID POWER SYMBOLS

To ISO/BS2917 & CETOP standards



FLUID POWER SYMBOLS.

To ISO/BS.2917 and CETOP standards

This disk contains a wide range of symbols suitable for use on Fluid Power Engineering diagrams and drawings. The symbols have been designed so they can be rapidly assembled into complete diagrams or sub-assemblies on the locked grid of the ROBOGRAPHICS system.



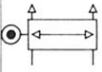








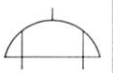
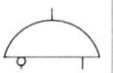
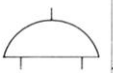
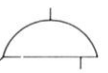
They can be positioned at a range of sizes and orientations and connection points are arranged to fall automatically on lock points to ensure rapid, accurate interconnections.

Text and labels can be added at any stage, again in a range of sizes, and the complete diagrams can be filed on disk and plotted out at any size from A4 to A0.

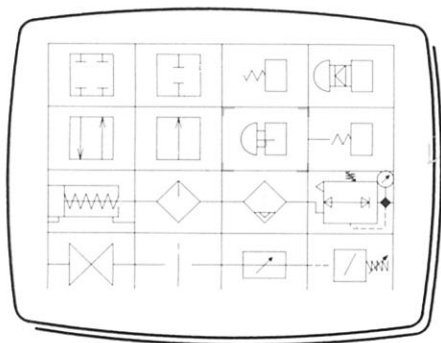
You can modify the symbols or draw your own 'specials' to use in conjunction with those on the disk. The symbols are compatible with others in the ROBOGRAPHICS range including Electronics and Chemical Engineering so facilitating the production of multi-system diagrams.

2 FLOW CROSS CONNECT	2 PORT VALVE	3 PORT VALVE	PRESSURE OR VACUUM	PUSH BUTTON BLEED	REGULATOR	CUSHIONED DIA CYLINDER	LUBRICATOR
FLOW BY PASS VALVE	2 PORT VALVE LOCK	4 PORT VALVE CROSS	ROTARY	SPRING RETURN	STOP COCK	DIA CYLINDER	FIL-REG-LUB UNIT
3 PORT VALVE	3 PORT VALVE LOCK	4 PORT VALVE	KEY ROTARY	AIR AND SPRING	PRESSURE RELIEF	SPRING RETURN CYLINDER	AIR/OIL ACTUATOR
3 PORT FLOW	4 PORT VALVE LOCK	ROLLER	PALM BUTTON	PUSH BUTTON	NON RETURN VALVE	IMPACT CYLINDER	INTENSIFIER
SUPPLY SOURCE	5 PORT VALVE LOCK	ONE WAY TRIP	ROLLER BLEED	PRESSURE	PRESSURE SWITCH	AIR RESERVOIR	CROSSING
3 PORT FLOW	5 PORT VALVE LOCK	FOOT	PLUNGER BLEED	LEVER	SHUTTLE VALVE	FILTER AND MANUAL DRAIN	JUNCTION
5 PORT FLOW	5 PORT VALVE	PLUNGER	ONE WAY TRIP BLEED	DETENT	RESTRICTOR ONE WAY	AUTO DRAIN	EXHAUST
5 PORT FLOW	5 PORT VALVE	SOLENOID	PRESSURE BLEED		RESTRICTOR	FILTER AND AUTO DRAIN	

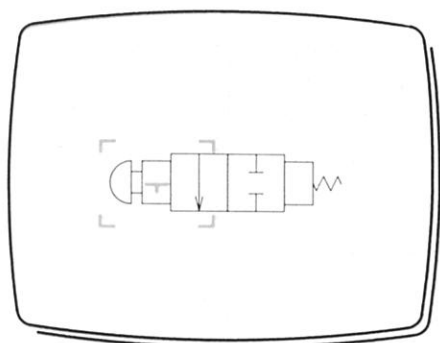
INDEX A

OPEN ADJ' TIMER 	CLOSE ADJ' TIMER 	MEMORY FLIP/FLOP 	PULSE 
AMPLIFIER 	NOT 	YES 	NOT WITH SUPPLY 
AND 	OR 		MEMORY FLIP/FLOP 
OR 	NOT 	AND 	YES 

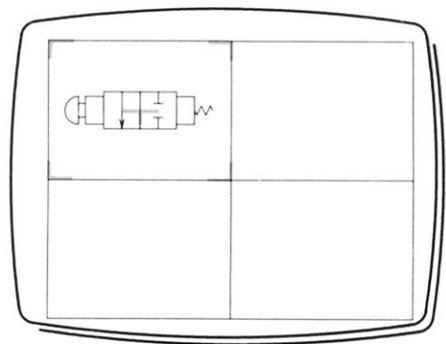
INDEX B



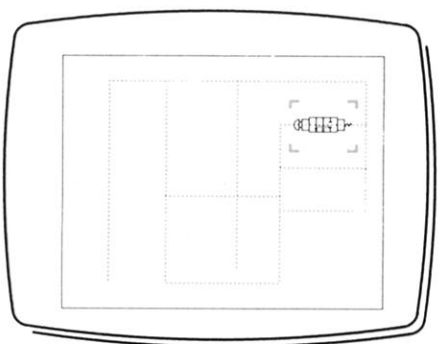
COPY UNITS FROM THE LIBRARY



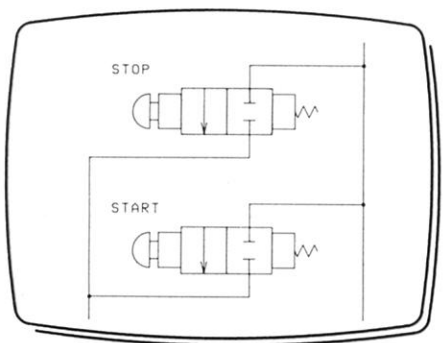
ASSEMBLE COMPLETE MODULES



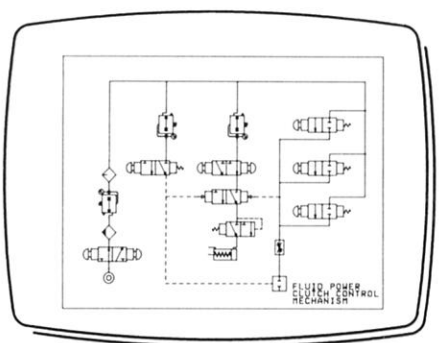
FILE MODULES ON LIBRARY



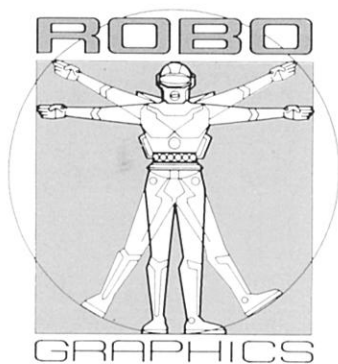
PLACE MODULES ON LAYOUT



ZOOM TO CONNECT AND LABEL



FINISHED AND READY TO PLOT



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