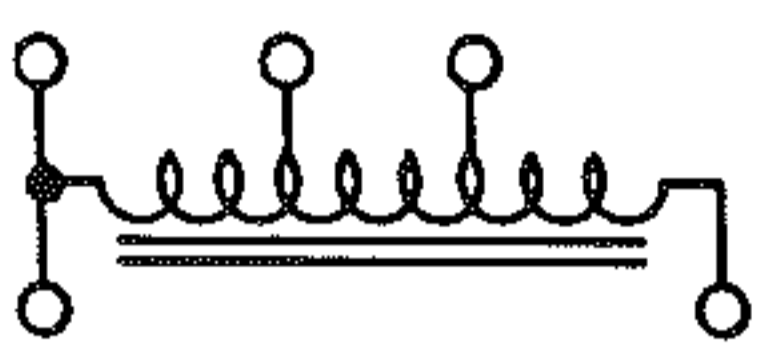



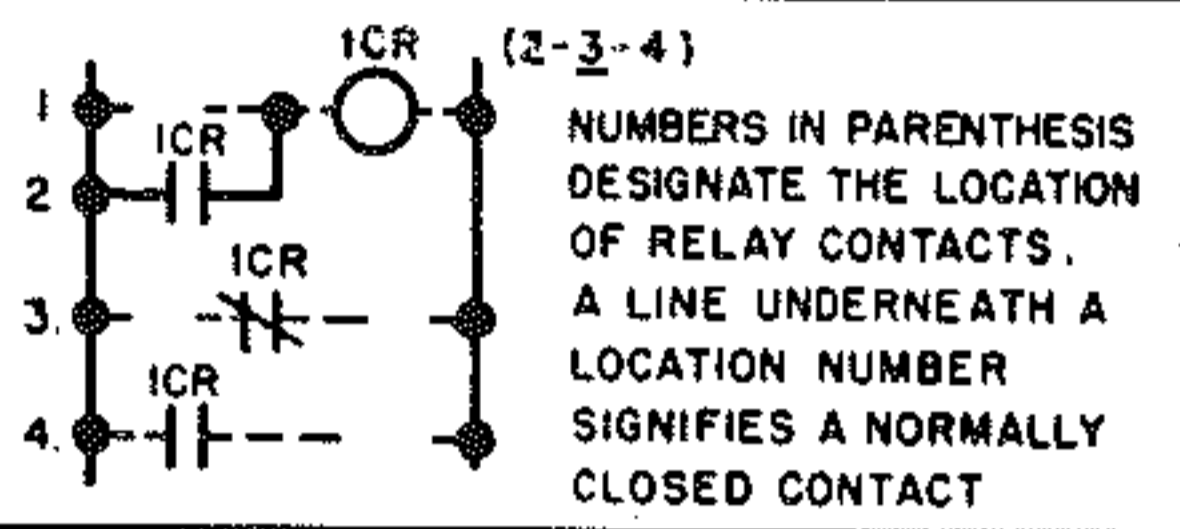

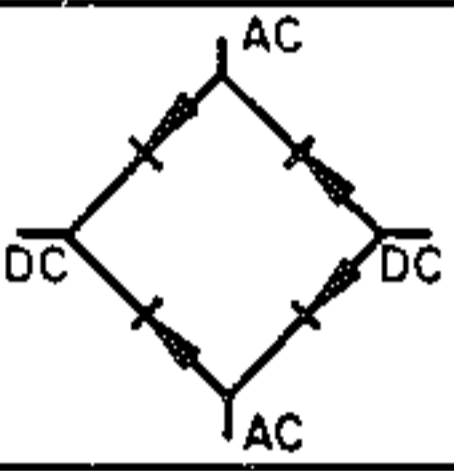
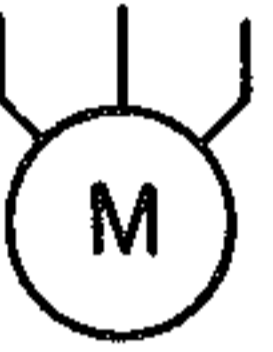





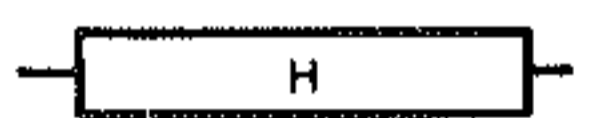
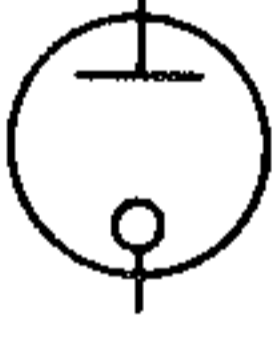
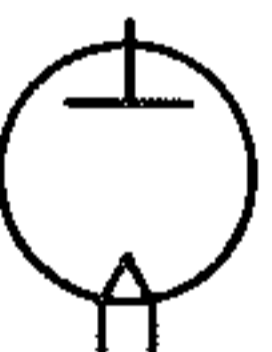




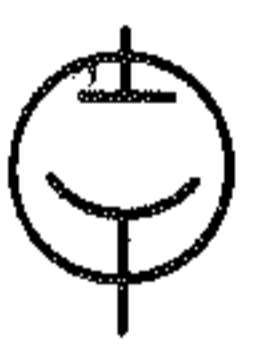
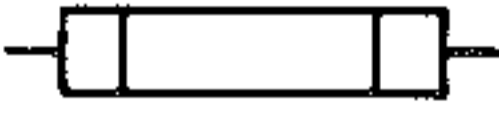
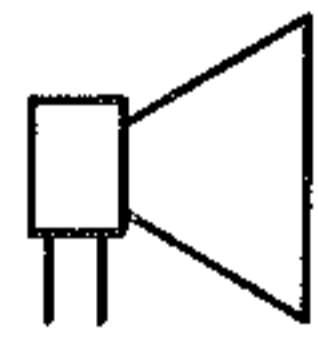
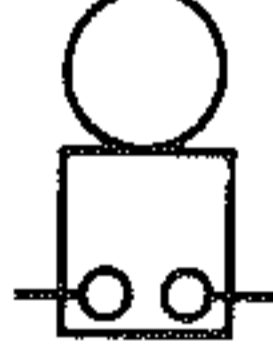


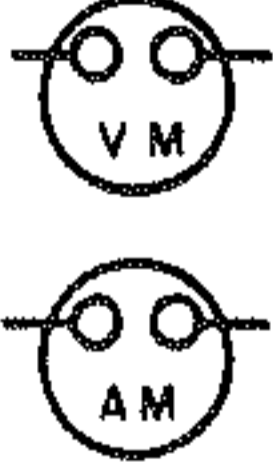
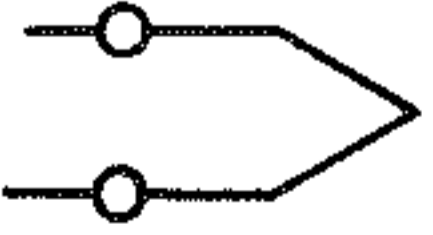



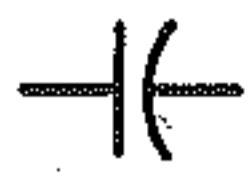



# TYPICAL GRAPHICAL SYMBOLS FOR ELECTRICAL DIAGRAMS

COILS (CONTINUED)						
AUTO TRANSFORMER		REACTORS			ADJUSTABLE	
		IRON CORE	AIR CORE			
					 (SHOWN WITH IRON CORE)	
RECTIFIERS		MOTORS			LOCATION OF RELAY CONTACTS	
HALF WAVE	PULL WAVE	THREE PHASE	D. C. TYPES			
			FIELDS	ARMATURE		
						
RESISTORS						
FIXED		TAPPED			POTENTIOMETER OR RHEOSTAT	
						
 HEATING ELEMENT						
DENOTE PURPOSE						
ELECTRONIC TUBES						
COLD CATHODE	DIODE	TRIODE	TETRODE	PENTODE	IGNITRON	PHOTO-CELL
 VOLTAGE REG.					 DOT IN ANY TUBE DENOTES GAS	
MISCELLANEOUS						
FUSE (POWER OR CONTROL CIRCUIT)	HORN, SIREN, ETC.	BELL OR BUZZER	PLUG AND RECEPTACLE	METER SHUNT	METER	
						
THERMOCOUPLES		LAMPS	BATTERY	GROUND	CAPACITOR	
		PUSH TO TEST			FIXED	ADJUSTABLE
		 DENOTE COLOR BY LETTER				

# TYPICAL GRAPHICAL SYMBOLS FOR ELECTRICAL DIAGRAMS

SWITCHES							
DISCONNECT	CIRCUIT INTERRUPTER	CIRCUIT BREAKER	LIMIT				MAINTAINED POSITION
			SPRING RETURN			NEUTRAL POSITION	
			NORMALLY OPEN	NORMALLY CLOSED	HELD OPEN		
LIQUID LEVEL		VACUUM & PRESSURE		TEMPERATURE ACTUATED		FLOW (AIR, WATER, ETC)	
NORMALLY OPEN	NORMALLY CLOSED	NORMALLY OPEN	NORMALLY CLOSED	NORMALLY OPEN	NORMALLY CLOSED	NORMALLY OPEN	NORMALLY CLOSED
SPEED (PLUGGING)		ANTI-PLUG		SELECTOR		FOOT	
				PREFERRED PUSH BUTTON TYPE	ALTERNATE DRUM TYPE	NORMALLY CLOSED	NORMALLY OPEN
PUSH BUTTONS							
SINGLE CIRCUIT		DOUBLE CIRCUIT		MUSHROOM HEAD		MAINTAINED CONTACT	
NORMALLY OPEN	NORMALLY CLOSED						
TIMER CONTACTS. CONTACT ACTION RETARDED WHEN COIL IS:				GENERAL CONTACTS. STARTERS, RELAYS, ETC			
ENERGIZED		DE-ENERGIZED		OVERLOAD THERMAL	NORMALLY OPEN	NORMALLY CLOSED	
NORMALLY OPEN	NORMALLY CLOSED	NORMALLY OPEN	NORMALLY CLOSED				
CONDUCTORS			COILS				
NOT CONNECTED	CONNECTED	RELAYS TIMERS, ETC.	OVERLOAD THERMAL	SOLENOID	CONTROL TRANSFORMER		

(CONTINUED)