

Electrical Drawing

List of Electrical Symbols used in day to day circuits and Electrical layouts

Wires



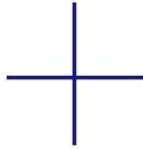
Represents a conductor or power line or electric line or wire.

Connected Wires



Represents the connection of two conductors. Dot shows the junction point.

Unconnected Wires



Represents two unconnected wires/conductors.

Push Button (Normally Closed)



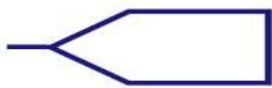
This switch is initially in ON state. This goes to OFF state when it is released.

Spst Switch



Single pole single throw SPST. This acts as ON/OFF switch.

Input Bus Line



Represents a bus for input or incoming data.

Output Bus Line



Represents a bus for output or outgoing data.

Terminal



Represents start or end point.

Push Button (Normally Open)



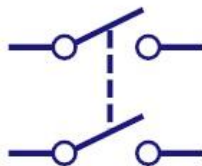
This switch is in ON pressed otherwise it is in OFF state.

Spdt Switch



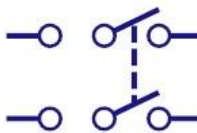
Single pole double throw is abbreviated as SPDT.

Dpst Switch

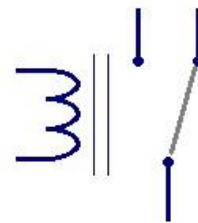


Double pole single throw is abbreviated as DPST.

Dpdt Switch



Double pole double throw is the full form of DPDT.



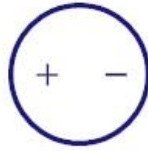
This represents the relay switch. This can control the AC Loads using the DC voltage applied to the coil.

AC Supply



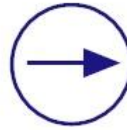
This represents AC supply in the circuit.

DC Supply



This represents the DC power supply. It applies DC supply to the circuit.

Constant Current Source



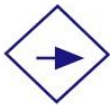
The symbol represents an independent current source which delivers constant current.

Controlled current Source



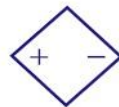
It is a dependent current source. Usually depends on other sources (voltage or current).

Controlled current Source



It is a dependent current source. Usually depends on other sources (voltage or current).

Controlled Voltage Source



It is a dependent voltage source. Usually depends on other sources

Single Cell Battery



This provides supply to the circuit.

Multi Cell Battery



Combination of multiple single cell batteries

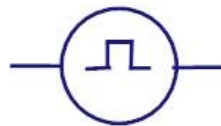
Wave Generators

Sinusoidal Generator



Represents sine wave generator.

Pulse Generator



Represents pulse or square wave generator.

Triangular Wave



Represents triangular wave generator.