

**PROGRAMME: ICP**  
**CENTRE: POINT FORTIN GVC**  
**COURSE: ELECTRICAL INSTALLATION LEVEL #1**  
**INSTRUCTOR: MASLYN VERNE MENDEZ**

**DRAW ELECTRICAL SYMBOLS**

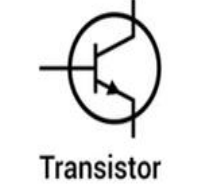
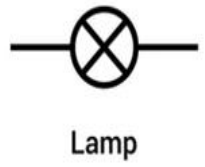
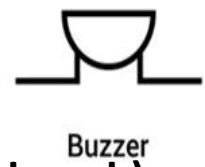
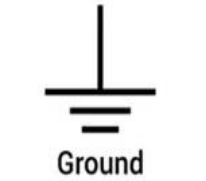
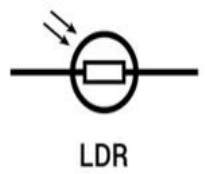
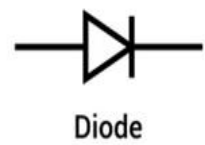
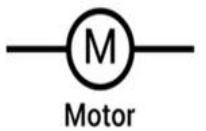
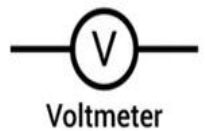
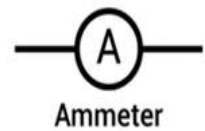
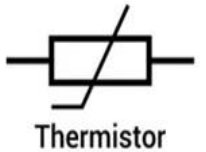
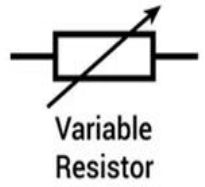
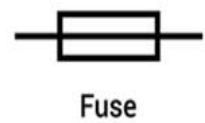
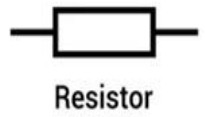
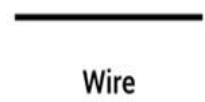
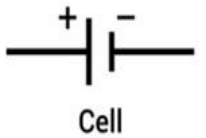
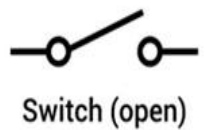
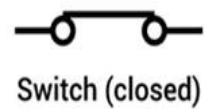
# LESSON OBJECTIVES

At the end of the class, the learners will be able to :

- Identify electrical symbols.
- Select the correct symbols for a one-way lighting circuit.
- Draw electrical symbols.












































































# ELECTRONIC CIRCUIT SYMBOLS



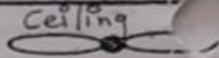
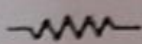



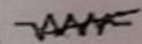


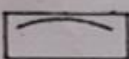
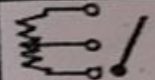



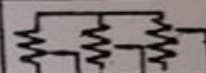


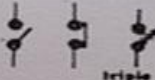
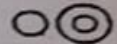
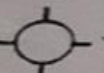



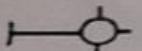

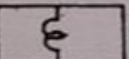
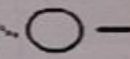
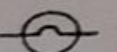
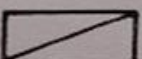
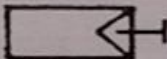



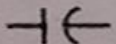
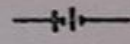
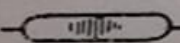

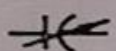
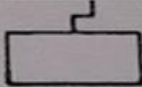
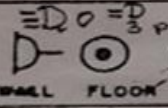



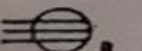


	lamp		voltmeter		zener diode		resistor
	wall light		ammeter		diode		variable resistor
	light globe		galvanometer		photo diode		transformer
	switch		potentiometer		LED		antenna unbalanced
	locking switch		galvanometer		diode pin		antenna balanced
	push button switch		capacitor		cell		speaker
	wire		polarized capacitor		battery		microphone
	connected		ground		heating element		motor
	not connected		variable capacitor		dc supply		electric bell
	crystal		ac supply				



(Stock, n.d.)

Electrical and Telecom

	S	S3								
Electrical ...	Single pol...	Three-wa...	1P switch	2P switch	4P switch	1DP switch	2DP switch	Water tap	Lum. ceili...	Encl ceilin...
										
Wall light	Circuit br...	Multi-ligh...	Light bar	Downlight	Outdoor l...	Singleple...	Duplex re...	Double D...	Triplex Re...	Fourplex ...
										
Range Ou...	Dryer Out...	Waterpro...	Switch an...	Split Wire...	Split Wire...	Duplex S...	Dishwash...	Drop Cord	Fan Outlet	Junction ...
										
Lamp Hol...	Lamp Hol...	Pull Switch	Vapor Dis...	Exit Light ...	Clock Out...	Blanked ...	Television...	Exhaust Fan	Water He...	Telephon...
										
Electrical ...	Battery	Batten flu...	Distributi...	Modular f...	Office flu...	Pull-cord ...	Emerg. li...	Emerg. sign	Switches	Dimmer s...
										
Socket ou...	Socket ou...	Telephon...	Stereo ou...	Ceiling fan	Ceiling fa...	Combinat...	Service p...	Thermostat	Air condit...	Hold ope...
										
Detector	Fire alarm	Monitor	Alarm	Doorbell	Smoke d...	Call	Tel	Main cont...	Ground	Line

 SINGLE POLE SWITCH <i>0.1-way SW</i>	 WATERPROOF OUTLET	 FIXED FAN (Motor Outlet)	 RESISTOR
 PULL SWITCH	 SWITCH AND CONVENIENCE OUTLET	 CEILING FAN (Motor Outlet)	 VARIABLE RESISTOR
 TWO WAY SWITCH	 PLUG	 FAN REGULATOR	 MULTI-CONTACT STARTER
 PENDANT SWITCH	 LINK	 PUSH BUTTON SWITCH	 RESISTANCE STARTER (eg for three phase motor)
 INTERMEDIATE SWITCH	 FUSE	 SWITCH (general symbol) <i>triple pole</i>	 MACHINE (general symbol)
 CEILING OUTLET	 CIRCUIT BREAKER	 BELL <i>Buzzer or chime Ding Dong</i>	 CONTACT NOT SEPARABLE
 WALL LAMP	 DISTRIBUTION PANEL	 BELL TRANSFORMER	 CONTACT SEPARABLE
 FILAMENT LAMP <i>Screw type bulb</i>	 MAIN CONTROL PANEL	 CHANGE OVER SWITCH	 EARTH
 DISCHARGE LAMP (Ceiling Outlet)	 METER Base	 CAPACITOR	 BATTERY
 DISCHARGE LAMP	 TELEPHONE POINT EXTERNAL	 VARIABLE CAPACITOR	 CONTROLLER (general symbol)
 SOCKET OUTLET <i>3 pin 5 2 pin WALL FLOOR or female plug</i>	 TELEPHONE POINT INTERNAL	 CLOCK	 FIXED POINT
 RANGE OUTLET <i>or cooker</i>	 SPECIAL PURPOSE OUTLET	 ISOLATING CONTACT	ELECTRICAL SYMBOLS

grey wire

## References

- Stock. (n.d.). *ERROR: The request could not be satisfied*. ERROR: The request could not be satisfied. Retrieved 13, from [https://www.istockphoto.com/search/2/image-film?phrase=electrical+symbols+drawing&tracked\\_gsrp\\_landing=https%3A%2F%2Fwww.istockphoto.com%2Fphotos%2Felectrical-symbols-drawing](https://www.istockphoto.com/search/2/image-film?phrase=electrical+symbols+drawing&tracked_gsrp_landing=https%3A%2F%2Fwww.istockphoto.com%2Fphotos%2Felectrical-symbols-drawing)
- Wondershare. (n.d.). *All-inclusive home electrical plan software for Linux*. [OFFICIAL] Edraw Software: Unlock Diagram Possibilities. Retrieved April 13, 2026, from <https://www.edrawsoft.com/linuxdiagram/electrical-plan-software-linux.html?srsltid=AfmBOopa9frN3XyxTbFEFNAB5B-uRyJpq8t-kGi-KC7R6CoKTsejbBb1>