Electrical Symbols & Instructions Quiz

Due Oct 13 at 10:10am **Points** 34 **Questions** 34 **Time Limit** 30 Minutes

Instructions

This quiz is based on the Electrical Symbols hand out sheet as well as class lectures and will test your understanding of reading electrical symbols and the basic PLC instructions. 34 random questions will be selected from a bank of questions and presented one at a time. Select the best answer for each of the questions. You will have 30 minutes to complete this quiz.

Return to Modules (https://ilearn.laccd.edu/courses/242722/modules)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	27 minutes	34 out of 34

Submitted Oct 15 at 12:24pm

Question 1 — 1 / 1 pts

The device operator type shown in Figure 3 indicates it is operated by:

Figure 3

- Pressure
- Flow

Correct!

- Temperature

Question 2

1 / 1 pts

The partial device symbol in Figure 1 would be used to draw a symbol that is representing a contact type of:

Figure 1

Correct!

- Normally Close
- Normally Open

Question 3

1 / 1 pts

The symbol shown in Figure 10 is indicating what type of device?

Figure 10

- N.C. Proximity Switch
- N.C. Humidity Switch

Correct!

- N.C. Limit Switch

Question 4

1 / 1 pts

The symbol in Figure 11 is a:

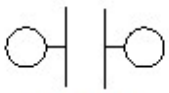

Figure 11

- O.L. Relay Contact
- N.C. Relay Contact
- N.O. Relay Contact

Correct!

Question 5

1 / 1 pts

The symbol in Figure 12 is a:

Figure 12

Correct!

- N.C. Relay Contact
- O.L. Relay Contact
- N.O. Relay Contact

Question 6

1 / 1 pts

The symbol in Figure 13 is a:

Figure 13

- N.C. Maintained P.B.
- N.C. Selector Switch

Correct!

- N.C. Momentary P.B.

Question 7

1 / 1 pts

The symbol in Figure 14 is a:

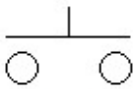

Figure 14

- N.O. Maintained P.B.
- N.O. Selector Switch

Correct!

- N.O. Momentary P.B.

Question 8

1 / 1 pts

The symbol in Figure 15 is a :

Figure 15

Correct!

- N.C. Maintained P.B.
- N.C. Selector Switch
- N.C. Selector Switch

Question 9

1 / 1 pts

The Temperature switch shown in Figure 16 is :

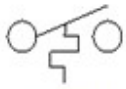

Figure 16

Correct!

- (selected) N.C. O.T.R.
- N.O. C.T.R.
- N.C. C.T.R.

Question 10

1 / 1 pts

The Temperature switch shown in Figure 17 is :

Figure 17

Correct!

- (selected) N.O. C.T.R.
- N.O. O.T.D.
- N.C. O.T.R.

Question 11

1 / 1 pts

The symbol shown in Figure 18 is a :

Figure 18

Motor Starter Coil with O.L.

Correct!

Relay Coil

Solenoid Coil

Question 12

1 / 1 pts

The symbol shown in Figure 19 is a :

Figure 19

Correct!

Motor Starter Coil with O.L.

Relay Coil

Solenoid Coil

Question 13

1 / 1 pts

The partial device symbol in Figure 2 would be used to draw a symbol that is representing a contact type of:

Figure 2

Normally Close

Correct!

Normally Open

Question 14

1 / 1 pts

The symbol shown in Figure 20 is a :

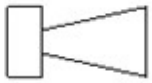

Figure 20

- Capacitor
- Audible Alarm

Correct!

- Fuse

Question 15

1 / 1 pts

The mnemonic name XIC stands for :

- Exclaim If Closed
- Examine If Closed

Correct!

- Execute If Closed
- Exactable If Closed

Question 16

1 / 1 pts

The mnemonic name XIO stands for :

- Execute If Open
- Exclaim If Open

Exactable If Open

Correct!

Examine If Open

Question 17

1 / 1 pts

The XIC instruction is used to test to see if a device is :

Correct!

Closed or On

All of these

Open or Off

Present

Question 18

1 / 1 pts

The XIO instruction is used to test to see if a device is :

Closed or On

Correct!

Open or Off

Present

All of these

Question 19

1 / 1 pts

The XIC and XIO instructions are :

- Right Type
- Read Type

Correct!

- Write Type
- Real Type

Question 20

1 / 1 pts

The mnemonic name OTE stands for :

- Output Energize

Correct!

- All of these
- Open To Energize
- Optional Energize

Question 21

1 / 1 pts

When the rung conditions are true the OTE :

- Activates an Output
- Writes a 1
- Turns on
- All of these

Correct!

Question 22

1 / 1 pts

The XIC instruction is true when the referenced address is a value of :

- 2
- 0
- 1 (Correct!)
- 3

Question 23

1 / 1 pts

The XIO instruction is true when the referenced address is a value of :

- 3
- 2
- 0 (Correct!)
- 1

Question 24

1 / 1 pts

When green handles are shown on the sides of an instruction it is indicating :

- False Logic
- No Logic
- True Logic (Correct!)

- Neutral Logic

Question 25

1 / 1 pts

When the rung conditions are false the OTE :

- Turns off
- Deactivates an Output
- Writes a 0
- All of these

Correct!

Question 26

1 / 1 pts

If a Normally Closed Limit Switch is wired to an input and nothing is acting on it the input will be :

Correct!

- On
- Oscillating
- Off
- Neutral

Question 27

1 / 1 pts

When there is a zero in the data table it means that there is :

- Power
- True Logic
- False Logic

Correct!

- No Power

Question 28

1 / 1 pts

When there is a one in the data table it means that there is :

Correct!

- Power
- No Power
- True Logic
- False Logic

Question 29

1 / 1 pts

The device operator type shown in Figure 4 indicates it is operated by:

Figure 4

- Temperature

Correct!

- Flow
- Pressure

Question 30

1 / 1 pts

The device operator type shown in Figure 5 indicates it is operated by :

Figure 5

- Flow
- Float

Correct!

- Time On

Question 31

1 / 1 pts

The device operator type shown in Figure 6 indicates it is operated by :

Figure 6

- Pressure

Correct!

- Time Off
- Flow

Question 32

1 / 1 pts

The device operator type shown in Figure 7 indicates it is operated by :

Figure 7

- Temperature
- Time Off
- Time On

Correct!

Question 33

1 / 1 pts

The device operator type shown in Figure 8 indicates it is operated by :

Figure 8

- Temperature
- Time Off
- Time On

Correct!

Question 34

1 / 1 pts

The symbol shown in Figure 9 is indicating what type of device?

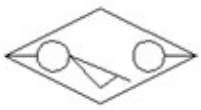

Figure 9

- N.O. Humidity Switch
- N.O. Proximity Switch

Correct!

- N.O. Limit Switch