

Pre-Test



Multiple Choice

1) If you are controlling the AFD from a keypad mounted 3m (10feet) away this control arrangement inside the program of the drive is known as which of the following?

- A. Local Control
- B. Remote Control
- C. Manual Control
- D. Open Control
- E. Closed Control

2) Two external switches are attached to the AFD. One switch is for start/stop and other switch changes directions. A potentiometer is also wired to the AFD and it changes the speed of the AFD. This type of control arrangement is known as which of the following?

- A. Local Control
- B. Remote Control
- C. Manual Control
- D. Open Control
- E. Closed Control

See notes for questions 3-5.

3) Which of the following arrangements is the best way to control precise synchronization between five AFDs?

- A. Leader/Follower arrangement connecting all 5 AFDs.
- B. Master/Slave arrangement connecting all 5 AFDs.
- C. Multi-motor operation with all 5 motors attached to one AFD.
- D. Multi-motor operation with each AFD using a Sync-Pos Card.
- E. Serial Communications connecting all 5 AFDs.

4) If an RS-485 is the only connection that exists between 3 AFDs and a PLC, this control arrangement is known as which of the following?

- A. Multi-motor operation setup as a Leader/Follower
- B. Multi-motor operation each AFD using a Sync-Pos Card
- C. Local Control
- D. Remote Control
- E. Serial Communication

5) If a single AFD operates 3 motors, which of the following must be remembered?

- A. It must be connected in a Master/Slave arrangement.
- B. The AFD must use a Sync-Pos card.
- C. An RS-485 connection must be made between the AFD and motors.
- D. Each of the 3 motors must have overload protection.
- E. All of the above are required.



How did you do?

Answers:

1. A. Local Control
2. B. Remote Control
3. D. Multi-motor operation with each AFD using a Sync-Pos Card
4. E. Serial Communication
5. D. Each of the 3 motors must have overload protection.

If you got 4 or 5 right – skip this lesson and go to Lesson 3.

If you only got 3 or less right please review this lesson.