

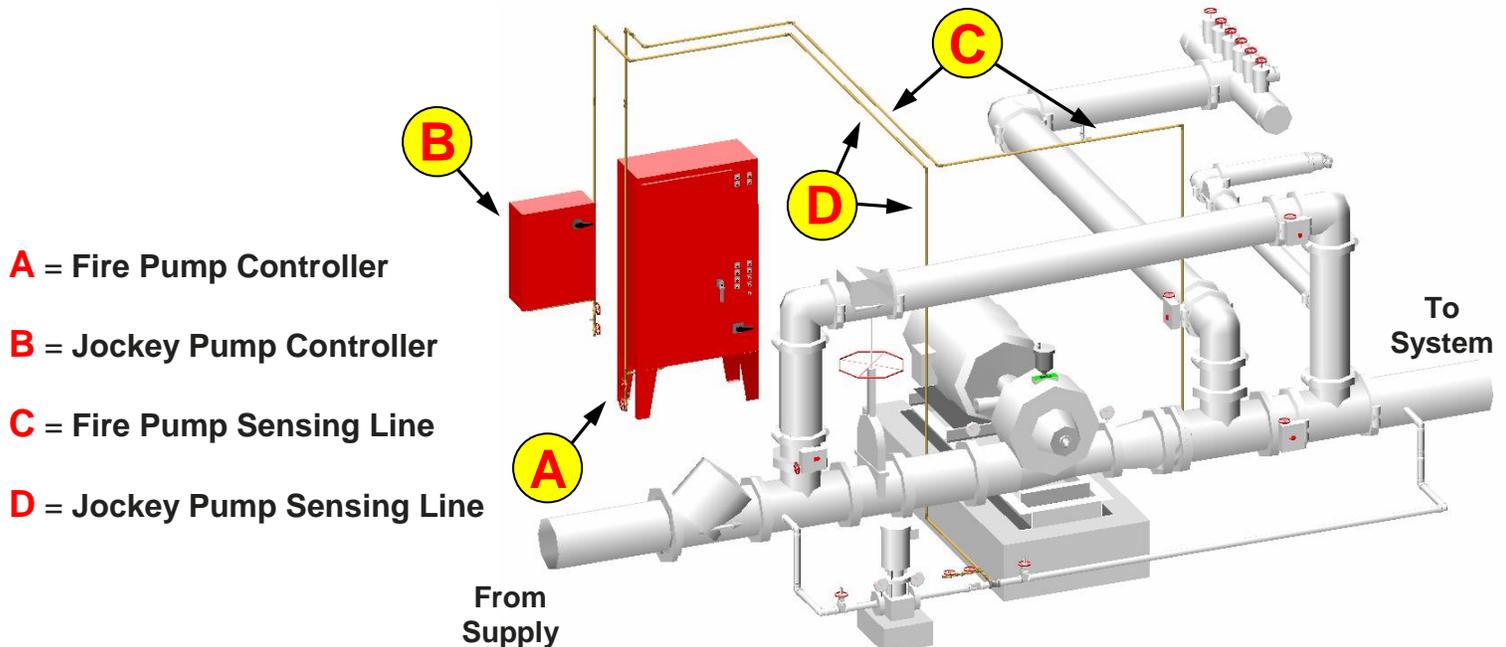


QUICK RESPONSE

Saving life and property through effective licensing, plan review, and inspection of fire protection systems.

December 2008

FIRE PUMPS – ELECTRIC PUMP CONTROLLER



The fire pump **controller** is arguably the most critical and essential component in the fire pump assembly. It ensures that the pump operates when called to start. The pump **controller** monitors the pressure in the fire protection system, starts and stops the pump, reports problems, and sends alarm signals.

Most commonly the **controller** is connected to the fire protection system by means of piping known as a sensing line. When pressure loss in the fire protection system occurs, the pressure switch in the **controller** senses the loss of pressure. The **controller** then initiates the steps necessary to start and run the fire pump driver. The **controller** would also relay an alarm message/signal that an event is underway.

Controllers shall be located as close as is practical to the motors they control and shall be within sight of the motors. They shall be located or protected so that they will not be injured by water escaping from pumps or pump connections. In addition, electric current-carrying parts of controllers shall be not less than 12 inches above the floor level.



Each pump, including jockey pumps, shall have its own individual **controller** and each **controller** shall have its own individual pressure-sensing line.

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