

Tech Note

Electric Pump “Run-Off-Auto” Control

A Wildeye can remotely start and stop an electric motor by activating the contactor which supplies power to the motor.

This tech note describes the components necessary to allow a Wildeye to control an electric motor. These components should only be installed by an experienced electrician.

Remote control capability should not replace local on/off control or any other fail-safe hardware. An Emergency Stop button and appropriate power disconnects should always be in place at the same location as the motor.

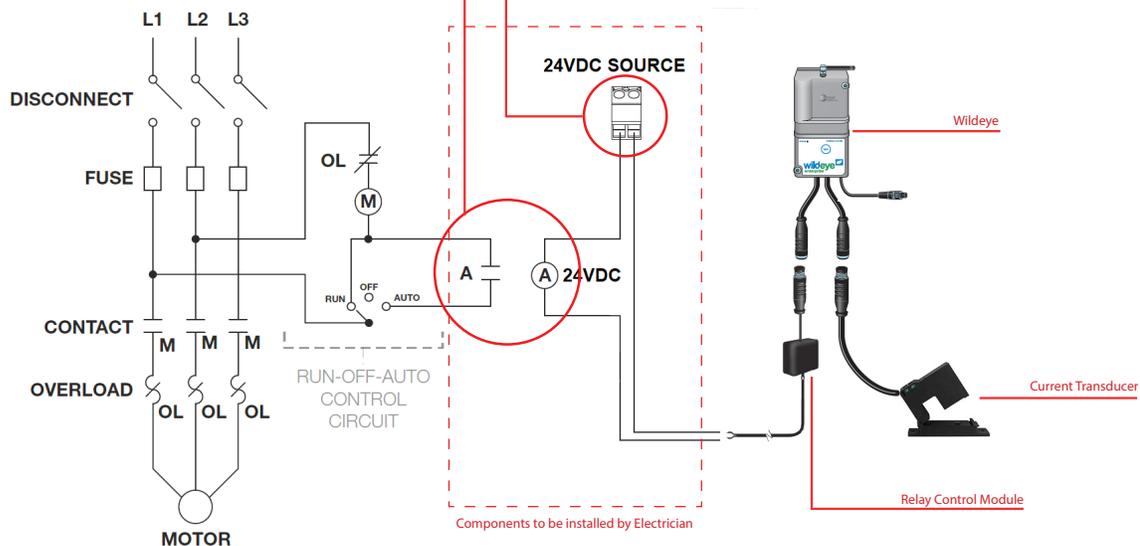
Application

Use a 24V DC relay to actuate the a Run-Off-Auto controlled pump contactor when the Run-Off-Auto switch is set to “Auto”.

Electrical Components

There are 2 components necessary for an electrician to install in the pump panel to make it Wildeye ready:

- 1 x 24V DC Power Supply
- 1 x 24V DPST-NO Relay



- Wildeye specifies the use of the following 24V DC Relay, which can be supplied by Wildeye.

Manufacturer: Phoenix Contact
 Manufacturer PN: 2967060
 Description: DPST-NO DIN Rail Panel Mount Non-Latching Relay Screw, 24V dc
 Wildeye Part Number: ACC-RELAY-2967060

- Wildeye specifies the use of the following 24V DC Power Supply, which can be supplied by Wildeye.

Manufacturer: Omron Automation and Safety
 Manufacturer PN: S8VK-C06024
 Description: AC/DC CONV 60W 24VDC 2.5A
 Wildeye Part Number: ACC-PSU-DIN-120VAC-24V-2.5A

Electrical connection

- The diagram shows a typical RUN-OFF-AUTO control circuit controlled by a Wildeye when in AUTO mode. Relay A is added as shown to allow remote control. In this case, Relay Coil A is energized continuously by the 24V source when the motor is running.
- Note that all existing safety components including disconnects, fuses, overload protection and emergency stops are left in place without modification.

Installation notes

- It is typical for the Wildeye and associated wiring to be housed within the same switch box as the electric pump contactor.

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