

Motor Operator

For automating switches in the field

G&W introduces a new motor operator that is easily retrofittable to switches in the field. The motor operator uses an internal digital encoder to provide reliable, accurate open/close position indication. The operating time for a single open or close operation is 2 to 3 seconds.

Application

- Permits automating manual switches for inclusion into distribution automation, smart grid and SCADA schemes.
- Permits remote operation using a variety of G&W controls.
- Provides a direct replacement for other styles of motor operators. The motor works with a large number of existing G&W controls so that it can be easily included into existing schemes.

Features

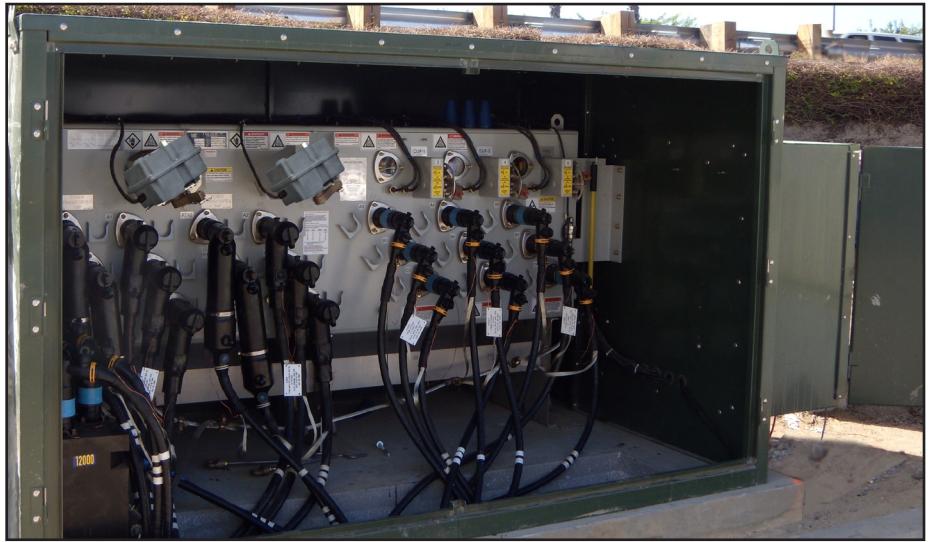
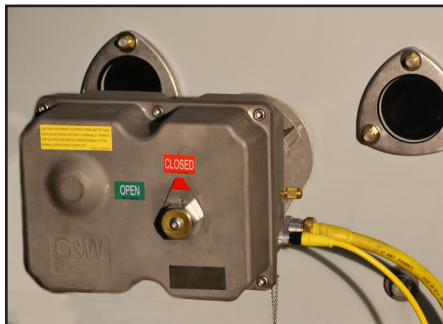
Ease of Installation

Motor operators can easily be mounted on the operating mechanism of nearly all G&W SF₆ gas or solid dielectric insulated switches already installed in the field. Complete mounting kits and instructions are provided. Operators are applicable to both padmount and vault applications.

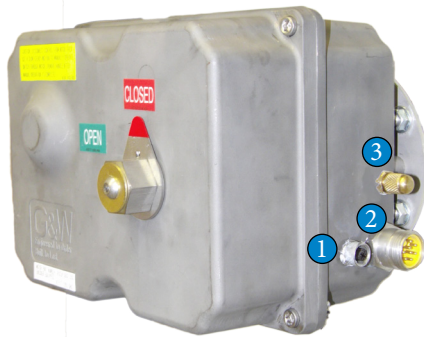
Control Flexibility

Motor operators can be used with many controls including:

- G&W Portable Motor Controls
- G&W Stationary Motor Controls
- G&W Automatic Transfer Controls
- SEL based relay packages



Motor operators installed on a G&W automatic transfer switch.



1. Programming Port
2. Optional Control Cable Connector
3. Pressure Seal

Reliable, Submersible Construction

The operator housing is made from cast 304 stainless steel which is permanently bonded and sealed for maximum corrosion resistance. It has been tested for submersibility to IP68 standards, under a 20 foot head of water for 20 days. It has been tested to 7,000 close/open/close operations assuring a reliable, long service life.

Motor operator mounted to a G&W SF₆ gas switch.

Options

1. The motor operator comes with a standard hardwired control cable. An optional connectorized cable is available to easily disconnect the control cable.
2. Additional programming cables and software are available.
3. A decoupling mechanism is available to detach the motor operator from the switch mechanism without removing the motor from the switch. This feature allows the motor to be used in schemes where the controls and motor can be tested without operating the switch. This feature also allows the user to manually operate a switch into ground position.



Portable Motor Control