



APPLICATION TIPS

Converting 3 – Point Floating Actuators to On/Off Actuators

With more and more actuator manufacturers removing on/off control actuators from their product line, the Controls Contractor is forced to find ways to convert the standard three-point floating actuators (also called tristate) to on/off actuators (also called two position).

Griswold Controls has worked with Siemens to offer a solution with their GDE131.1P actuator.

Form C, SPDT Relay
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The diagram on this page is the Siemens GDE131.1P wiring diagram.

The contractor will need to add a SPDT relay to their wiring system which costs less than \$5. This type of relay output is found on all building automation systems and allows a three-point floating actuator to work in place of an on/off actuator.

It will physically convert a three-point floating actuator with 3 wires to a two wire system. This solution is much less expensive than buying a true on/off actuator since most on/off actuators are also fail-safe and cost twice what a Siemens GDE131.1P.

Questions about this application? Contact info@GriswoldControls.com or call 949.559.6000.

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