

### 1. OBJECTIVE

Defines switch sources and wiring details for mounting toggle switches in Aquatrac 'AS' and Flex series controller enclosures.

Switches are used to replace dry contact sets connected to controller Status inputs 'U' through 'Z'.

The switches are used to manually Interlock boiler blowdowns & chemical pumps. Do not use these switches to switch loads and/or 120VAC.

### 2. Parts List

Source: Digi-Key [www.digikey.com](http://www.digikey.com) 800.344.4539

Description	Digi-Key Part No.	Nominal Cost
<b>Toggle Switch</b> Mfg: C&K SPDT U11SYZQE ON-ON, 5A 120VAC Solder eyelet	<b>CKN1040-ND</b>	<b>\$5.01</b>
<b>Toggle Switch Boot</b> Mfg: APM Hexseal Black, 1/4-40NS thread x 0.5" high	<b>335-1003-ND</b>	<b>\$4.26 ea.</b>

### 3. Switch Installation

Locate the switch(es) in the left (preferred) or right enclosure sidewall. Do not locate the switches in the top or bottom of the controller enclosure. If you locate the switches in the door, warranty door replacement is not possible.

Drill the enclosure 1/4", ensuring that you do not drill into installed internal components.

#### WIRING:

1. Solder two AWG22 stranded wires on the center and either adjacent terminal.
2. Connect the wires to **U+** & **U-**. Polarity does not matter. Any enabled status input, **U** to **Z**, may be used.
3. Orient the switch so that UP opens the contact set and DOWN closes the contact set.
4. Set the switch height usind the hex nuts supplied with the switch.
5. Install the boot so that it provides a liquid seal with the enclosure.