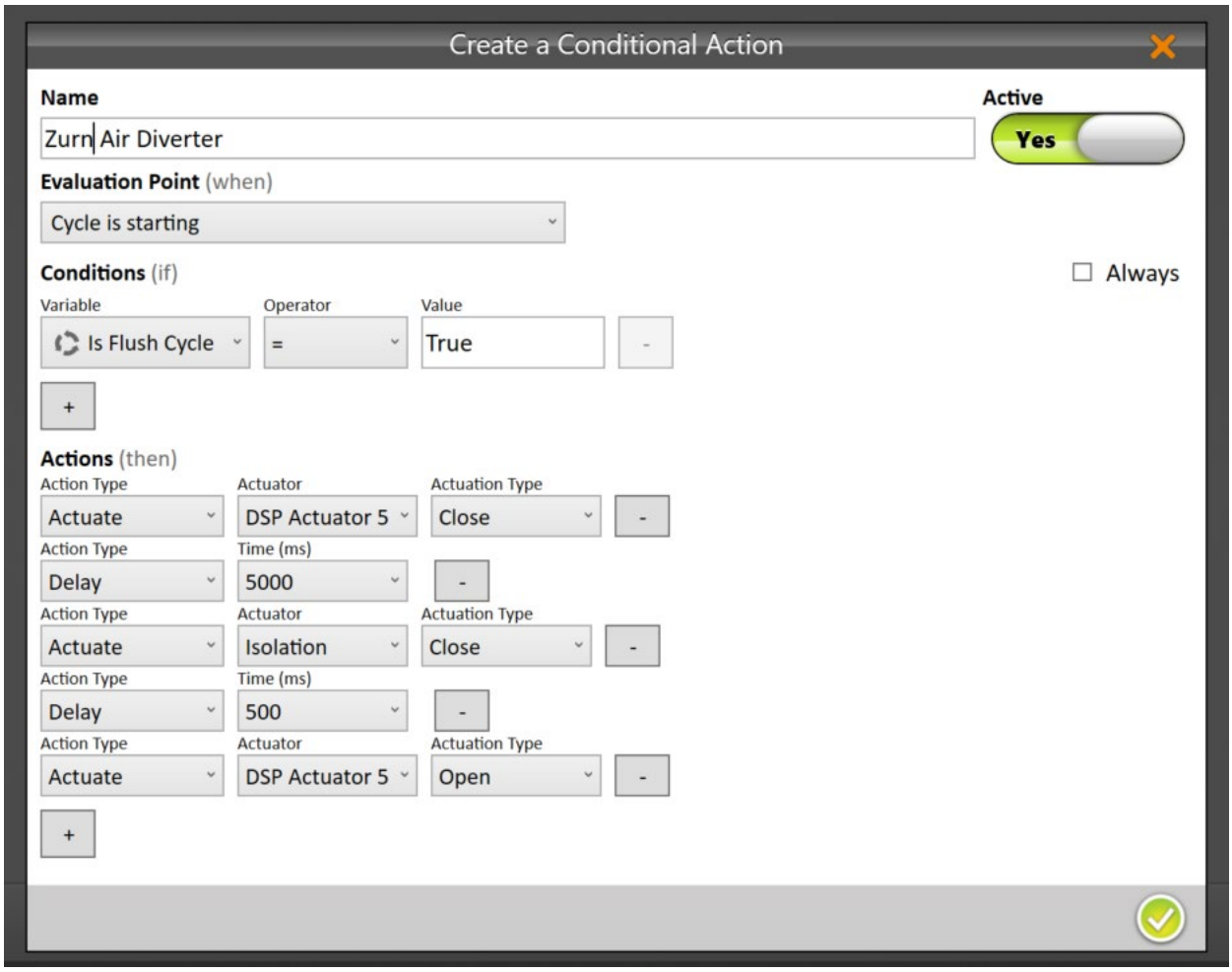
Zurn H2C Conditional Actions

30 Jan 2023

On a Zurn machine 150/160, the H2C will divert the air flow from the cyclone prior to closing the isolation gate (to allow for swirling grain to drop into the H2C) then divert the air back so that the grain from the next plot will go into the cyclone. In 2022, we added an action to close the isolation gate before diverting the air back to avoid air causing some kernels to blow back into the cyclone before the isolation gate closes.

Cyclone Air Diverter Actions



The air diverter is connected to DSP Actuator 5 or 6 (depend on machine). To determine which actuator it is wired to, try each control and watch to see what control moves the valve. Closing this actuator diverts the air to the tank away from the cyclone. This action only is needed on the flush cycle. Having it on during the cycle will result in grain being sent to the tank if strip mode has been invoked. The delay can be adjusted based on amount of grain swirling in the cyclone. After delay expires, Iso Gate closes and H2 Cycle starts.

WARNING: Customers need to be trained to ensure their plot to plot sequencing does not allow grain to be harvested while air is diverted to the grain tank!!

To ensure the air is diverted to the cyclone when entering collection mode, be sure to add a command to the “CollectionSetup.py” script to OPEN actuater 5 or 6 depending on machine (see below).