

Target rotation control wish list

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Four modes of operation (Two sets of control for Vault and Test Stand sections):

Pulsed – Runs for a user-settable duration after receiving a trigger

Continuous – Runs continuously whether there's a trigger present or not

Jog – Runs in normal direction for user-settable amount of time, then reverses for a different user-settable amount of time

Retreat – Runs in the normal direction until a) motion stops or b) motor current rises above a user-settable threshold. Have a user-settable “retry” time delay to resume running.

For both the Vault and Test Stand control module sections, add a Local/Remote switch to the front that defeats the Normal/Reverse remote control so that a local user can control rotation direction. The Local setting essentially gives you the functionality we presently have, control of Auto (triggered) versus Continuous operation and rotation direction control. For reference, pictures below show old (left) and newer (right) modules involved in rotation control.

