ACTUATORS	Revision	0.3
	Date	17/02/2025

Actuators overview

For devices such as the Badenia with High Side Driver outputs and the CCW Mk3 for Opto-Isolators, the **Actuators** node is used to configure the outputs.

Configure an actuator

Use the **Import** option to import an actuator from the Toolset library (1). You can import and export previously configured actuators between existing setups (1/2). You can use the 'bin' option to delete actuators from the setup (3).

	Output Actuator Pairs	
1	(a) (b) 2	3 🔞
	Digital PWM Outputs (4)	۲
	PWM Output 01 C2.16 High-side	
	PWM Output 02 (22.9 High-side	
	PWM Output 03 C3.38 High-side	
	PWM Output 04 C3.46 High-side	

Select the actuator to import from the dialog box (1), and then click Import (2).

he selected directory and all s	ubdirectories are searched for suitable items	5.		
Libraries	Name	Туре		
Read-Only Library	Digital PWM Actuator	Digital PWM Actuators		
		Ţ		
	Filter: start typing to filter the selection	1		

When the actuator is imported, you can configure the output duty. Enter a name for the actuator (1), and an optional descriptive comment (2).

Actuator Pro	perties	
Configure the properties of the actuator.		
Name	1 Actuator	
Comment	2 An example actuator	

You can now configure the actuator output duty. There are three actuator configuration options:

Always On: 100% duty when the device is on.

On/Off: You can use a user defined channel (Maths, Logic, CAN, Alarm, and so on) to switch the output and configure its duty. For example, a register Maths channel or a Counter Logic channel can switch the output on, and the frequency of the channel determines the switching frequency.

PWM: You can use a user defined Maths channel with 'Proportion' units to configure the PWM duty for the output. The frequency of the output is configurable between 1 – 400Hz.

Configuration	
Set the actuator to	o Always On, specify a user type channel that the turns the actuator on or off or specify a proportion channel allowing PWM control.
Always On	
On/Off	\Box
O PWM	··· Frequency 200 Hz