OrmAppMoveAbsAnalog Function Block

A Software tool to move to positions based on an analog input

OrmAppMoveAbsAnalog is a function block that allows you to command a move to an absolute position calculated from the analog voltage input on a SAC-SD-series drive.

Once the initial move to the position is complete, the function block will, optionally, continue to track the changing analog input with the position command being updated 5000 times per second.

The drive analog input has a digital low-pass filter with a cut-off frequency setable from 0.1 to 500 Hz.

For systems using SMLC model 30/80/160, OrmAppMoveAbsAnalog works with all model SD-series drives with the analog input option.

OrmAppMoveAbsAnalog also works with all models of SMLC-SA be with the nalog input option.

Inputs to the function block include:

Execute	Rising edge starts the move
Reset	True holds the function block reset.
PosCmdScale	Sets the position command scaling in position user units per 10 V.
PosCmdOffset	Sets the position command offset in position user units
InitialVelocity	Sets the velocity for the initial move in speed user units
Acceleration	Accelration rate for the initial move in user acceleration units
Deceleration	Decelration rate for the initial move in user acceleration units
Scurve	Sets the Scurve % for the initial move
Track	If false, the motion will end after the initial move. If it is true, the axis will continue to track a changing input voltage, updated 5000 times per second, until the input returns false
StopDelay	Sets a time delay to allow the axis to come to rest after tracking is disabled
Tag	Text used to identify the function block in the SMLC error log
Axis	Reference to the axis

Outputs from the function block include:

Done	True indicates all motion is complete
Busy	True indicates the function block is executing
Tracking	True indicates the axis is continuously tracking the drive analog input
CommandAborted	True indicates the motion has been aborted by another command.
Error	True indicates the function block generated an error
ErrorID	Error identification number