



## 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 analog 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 Acceleration rate for the initial move in user acceleration units

Deceleration Deceleration 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

