

At the top of your program, BEFORE ALL OF THE ADD ON INSTRUCTIONS, use a CPS instruction to copy the input data from the AMCI 5034-PTO-AM to a tag array that was created using the AMCI_5034_PTO_AM_Input_Data User Defined Data Type.

The input data in this tag array is made up of named tags and will also be used as the buffered data in your program. It is this buffered data that must be used in place of the input data directly from the AMCI 5034-PTO-AM.

CPS	
Synchronous Copy File	
Source	AENTR:1:I
Dest	AMCI_Input_Data_5034_PTO_AM
Length	5

Relative Move
run_AMCI_5034_PTO_AM.0

Absolute and
Relative Moves

AMCI_5034_PTO_AM_MAM

Absolute and Relative Moves

AMCI_5034_PTO_AM_MAM AMCI_MAM_Relative_Move_5034_PTO_AM ... (EN)

Axis_Input_Data AMCI_Input_Data_5034_PTO_AM (DN)

Axis_Output_Data AMCI_Output_Data_5034_PTO_AM (ER)

Move_type_0_Absolute_1_Relative 1 (IP)

TargetPosition 5000 (PC)

TargetVelocity 1000

Acceleration 10

Deceleration 10

An Absolute Move can only occur if the Position Invalid status bit is reset.

The Position Invalid Status bit can be reset by using the AMCI_MRP Preset Position AOI, or by using the AMCI_MAH Home AOI to home to a physical home sensor connected to one of the 5034-PTO-AM four inputs.

Absolute Move
run_AMCI_5034_PTO_AM.1 AMCI_Input_Data_5034_PTO_AM.PositionInvalid

Absolute and
Relative Moves

AMCI_5034_PTO_AM_MAM

Absolute and Relative Moves

AMCI_5034_PTO_AM_MAM AMCI_MAM_Absolute_Move_5034_PTO_AM ... (EN)

Axis_Input_Data AMCI_Input_Data_5034_PTO_AM (DN)

Axis_Output_Data AMCI_Output_Data_5034_PTO_AM (ER)

Move_type_0_Absolute_1_Relative 0 (IP)

TargetPosition 2500 (PC)

TargetVelocity 2000

Acceleration 20

Deceleration 20

Jog CW or Jog CCW
run_AMCI_5034_PTO_AM.2

Stop Jog
run_AMCI_5034_PTO_AM.3

AMCI Jog

AMCI_5034_PTO_AM_MAJ

AMCI Jog

AMCI_5034_PTO_AM_MAJ AMCI_MAJ_5034_PTO_AM ... (EN)

Axis_Input_Data AMCI_Input_Data_5034_PTO_AM (DN)

Axis_Output_Data AMCI_Output_Data_5034_PTO_AM (ER)

Direction_0_PositiveCW_1_NegativeCCW 0 (IP)

TargetVelocity 2500 (PC)

Acceleration 20

Deceleration 30

