

This option allows the user to preset the position to a programmable value when there is a positive (0 to 1) transition on a remote input. The result of this operation is saved in the IPLC's memory and is retained through power down.

Input 1 is used to preset the position. To avoid the possibility of EMI Noise triggering the input, the input is debounced for 50ms. This means that the input must be active for 50ms before the unit will initiate the position preset operation.

Programming Additions and Changes

The following key is used to program the Preset Function.

B
8

This key is used to program the Preset Position Value. The maximum value of the Preset Value is equal to the (Scale Factor – 1).

Programming Example

You want to program the Preset Value to 45.

PRESS	DISPLAY	COMMENTS
*		Must be in Program Mode
[FUNCTION]		Function LED is on
[B]	PRST, A xxx	Preset number display, xxx = current Preset Value
[0, 4, 5] [ENTER]	PRST, A 045	Preset Number now equals 45. When IN1 is pulled high, the current position will be changed to 45.

Hardware Connections

An input will be considered active 50ms after a positive (0 to 1) transition on the input pin. Input Logic Levels are defined as follows.

Logic "0" 0 to 1 Vdc
Logic "1" 3 to 15 Vdc
All inputs are referenced to GND

Isolation Relays should be used between the controller and the external circuitry that activates the inputs. This will prevent ground loops in the system and protect the controller if any high voltages are applied.

The following table lists the pinout assignments of the input and the voltage levels on various AMCI products that will interface to the IPLC.

	J1 Connector	IM-1	RB1	MRB
Input	Pin 3	Pin 3	Pin 1 – TB7	Pin 1 – TB8
+12Vdc	Pin 14	Pin 14	Pin 9 – TB7	Pin 9 – TB8
GND	Pin 16	Pin 16	Pin 10 – TB-7	Pin 10 – TB-8