



UDC 2500 Application Note

Input 2 Set Up Group

Introduction

This data deals with various parameters required to configure Input 2.

Function Prompts

Table Error! No text of specified style in document.-1 INPUT2 Group (Numeric Code 700) Function Prompts

Function Prompt Lower Display		Selection or Range of Setting Upper Display		Parameter Definition
English	Numeri c Code	English	Numeri c Code	
IN2TYP	701	DIS 0-20 4-20 0-5 1-5 0-2	0 26 27 31 32 35	INPUT 2 ACTUATION TYPE – This selection determines what actuation you are going to use for Input 2. DIS —Disable 0-20 —0 to 20 mA (internal dropping resistor) 4-20 —4 to 20 mA (internal dropping resistor) 0-5 —0 to 5 Volts 1-5 —1 to 5 Volts 0-2 —0 to 2 Volts
XMITR2	702	B E H E L J H J M J L K H K M K L NNMH NNML NIC H NIC L R S T H T L W H W L 100H 100L	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	TRANSMITTER CHARACTERIZATION — Same as Input 1 Transmitter



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Function Prompt Lower Display		Selection or Range of Setting Upper Display		Parameter Definition
English	Numeri c Code	English	Numeri c Code	
		200 500 RADH RADI LIN SrT	20 21 22 23 24 25 26	
IN2 HI	703	–999 to 9999 floating in engineering units		<p>INPUT 2 HIGH RANGE VALUE in engineering units is displayed for all inputs but can only be configured for linear or square root transmitter characterization.</p> <p>Scale the #2 input signal to the display value you want for 100 %.</p> <p>EXAMPLE: Process Variable = Flow Range of Flow = 0 to 250 Liters/Minute Actuation (Input 2) = 4 to 20 mA Characterization (XMITTER) = LINEAR Set IN1 HI display value to 250 Set IN1 LO display value to 0 Then 20 mA = 250 Liters/Minute and 4 mA = 0 Liters/Minute</p> <p>ATTENTION The control setpoint will be limited by the range of units selected here.</p>
IN2 LO	704	–999 to 9999 floating in engineering units		<p>INPUT 2 LOW RANGE VALUE in engineering units is displayed for all inputs but can only be configured for linear or square root transmitter characterization.</p> <p>Scale the #2 input signal to the display value you want for 0 %. See example above.</p> <p>ATTENTION The control setpoint for Input 2 will be limited by the range of units selected here.</p>
RATIO2	705	-20.0 to 20.0		RATIO ON INPUT 2 —Select the Ratio value you want on Input 2.
BIAS 2	706	-999 to 9999		BIAS ON INPUT 2 — Bias is used to compensate the input for drift of an input value due to deterioration of a sensor, or some other cause. Select the bias value you want on Input 2.



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Function Prompt Lower Display		Selection or Range of Setting Upper Display		Parameter Definition
English	Numeri c Code	English	Numeri c Code	
FILTR2	707	0 to 120 seconds 0 = No Filter		FILTER FOR INPUT 2 —A software digital filter is provided for Input 1 to smooth the input signal. You can configure the first order lag time constant from 1 to 120 seconds. If you do not want filtering, enter 0.