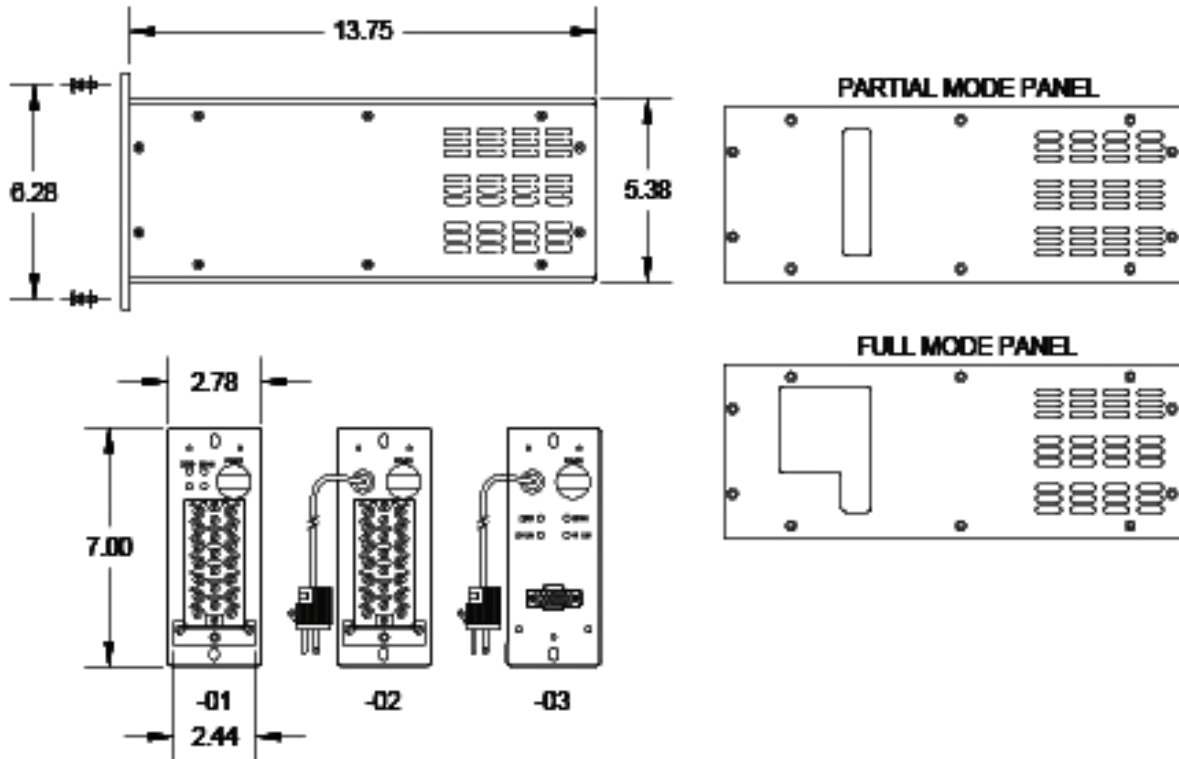


### HLS500

The HLS500 High/Low Signal Selector replaces the obsolete Foxboro 66 Special high and low signal selectors, and provides either high or low signal selection from two, three, or four inputs as determined by user-configurable jumpers on the main PC board. User-defined gain and bias, and filtering and high/low limiting, can be applied to a selected signal through a mode panel in the side cover.



HLS500



“-01” = Terminal Block; “-02” = Terminal Block w/ Power Cord ; “-03” = M 20 Connector w/ Power Cord

### SPECIFICATIONS

Power Supply Voltage:	85 to 132 Vac, 47 to 440 Hz, or 110 to 170 Vdc
Voltage Effects:	Less than 0.01% change in output, cumulative for all the variations listed above
Power Consumption	8 W (nominal), 12 W, 24 VA (maximum) (using switching-type power supplies)
Dielectric Withstand:	3000 Vdc and 1000 Vac (RMS) from input to output
	1000 Vdc and 1000 Vac (RMS) from input to case
Surge Withstand:	No damage when the waveform of IEEE 472-1974 is applied in common or transverse mode to any port
Electrical Qualification:	Plant protection, qualified to IEEE 323 1974/1983 and IEEE 344 1975/1987

# NUSI 500 Series

High/Low Selector

## HOW TO ORDER

The model number and configuration typically should be specified as follows:

Example: **HLS500-30/30/00/00-08-08-03**

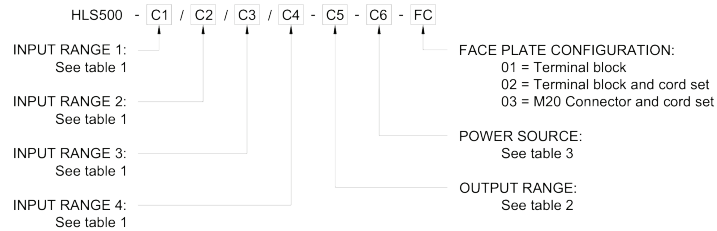


Table 1 – Input Range			Table 2 – Output Range		
Code	Input Range	Impedance $\Omega$	Code	Output Range	Impedance $\Omega$
00	Not Loaded		00	Not Loaded	
01	0 to 100 mVdc	100 M	01	0 to 100 mVdc	32.9
02	0 to 51 mVdc	100 M	02	0 to 51 mVdc	17.3
03	0 to 1 Vdc	100 M	03	0 to 1 Vdc	299
04	0 to 5 Vdc	100 M	04	0 to 5 Vdc	825
05	1 to 5 Vdc	5.2 M	05	1 to 5 Vdc	825
06	0 to 10 Vdc	400 k	06	0 to 10 Vdc	1000
07	4 to 20 mA dc	249	07	4 to 20 mA dc	1050 *
08	10 to 50 mA dc	100	08	10 to 50 mA dc	600 *
09	0 to 1 mA dc	50	09	0 to 180 mA dc	59.3
10	0 to 132 Vac	3.4 M	10	0 to 3.5 Vac	825
11	0 to 20 mA dc	249	11	0 to 20 mA dc	1050 *
12	0 to 50 mA dc	100	12	0 to 50 mA dc	600 *
13	50 to 10 mA dc	100	13	1 to 5 Vdc	249
14	Variable	1 M	14	10 to 44.29 mA dc	660 *
15	0 to 8 Vdc	428 k	15	N/A	
16	-10 to 10 Vdc	3.7 M	16	0 to 1 mA dc	30 k *
17	-2 to 15 Vdc	2.4 M	17	4 to 22.49 mA dc	1050 *
18	5 to 1 Vdc	100 M	18	10 to 56.22 mA dc	550 *
19	3.6 to 11.6 Vdc	477 k			
20	2 to 10 Vdc	427 k			
21	-2 to 2 Vdc	3.5 M			
22	-20 to 20 mA dc	249			
23	N/A				
			Table 3 – Power Source		
			Code	Power	
24	1 to 2 Vdc	3.2 M	00	Not Loaded	
25	0 to 4 Vdc	100 M	01	$\pm 15 \pm 1$ Vdc	
26	10 to 32.4 mA dc	200	02	28 $\pm 2$ Vdc	
27	4 to 10 mA dc	475	03	5 $\pm 0.25$ Vdc	
28	0 to 10 V (Hi-Z)	1013	04	12 $\pm 1$ Vdc	
29	0 to 120 Vdc	2.5 M	05	15 $\pm 1$ Vdc	
30	Group 1 Selectable	Varies	06	24 $\pm 2$ Vdc	
31	2, 4 or 10 Vdc	Varies	07	48 $\pm 2$ Vdc	
32	0 to 2 Vdc	100 M	08	85 to 132 Vac, 125 Vdc	
33	0 to 3.45 Vdc	100 M			
34	1.08 to 5.4 Vdc	5.2 M			

### CONTACT INFORMATION:

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