

HercuLine™ 11280S Smart Actuator

Model Selection Guide

Instructions

- Select the desired key number. The arrow to the right marks the selection available.
- Make the desired selections from Tables I thru VIII using the column below the arrow.
A dot (•) denotes unrestricted availability.

Key Number	I	II	III	IV	V	VI	VII	VIII	IX
_____	-	-	-	-	-	-	-	-	-

KEY NUMBER - Electronics

Output Torque (lb. - ft.) (N - M)		Selection	Availability
425 (575)	(Note 1)	011284S	↓
850 (1150)	(Note 1)	011285S	↓
1500 (2025)		011286S	↓
2500 (3400)		011288S	↓
4000 (5425)		011289S	↓
5500 (7450)		011287S	↓

TABLE I - POWER SUPPLY

Single Phase	120 Vac, 50/ 60 Hz	1	a	
	240 Vac, 60 Hz / 200 Vac, 50 Hz	2	a	
Three Phase	200 - 240 Vac, 60 Hz	4	•	•
	380 - 480 Vac, 50-/60 Hz	5	•	•
	575 Vac, 60 Hz	6	•	•

TABLE II - STROKE SPEED

Stroke Speed @ 60 Hz	10 sec/90 degrees	1	•	
	30 sec/90 degrees	2	•	•
	60 sec/90 degrees	3	•	•

TABLE III - MOTOR ORIENTATION (See specification 62-86-03-09 for diagrams)

Motor	Right-hand floor configuration, H.W. Shaft Horizontal	01	•	•
Orientation	Left-hand floor configuration, H.W. Shaft Horizontal	03	•	•

TABLE IV - ANALOG INPUT/OUTPUT SIGNALS

Input	4-20 mA, 0-20mA (1-5 Vdc, 0-5 Vdc, 1-10 Vdc, 0-10Vdc)	0 _ _	•	•
Output	No Analog Position Output	_ 00	•	•
	4-20 mA, 0-20mA (1-5 Vdc, 0-5 Vdc, 1-10 Vdc, 0-10Vdc)	_ 20	•	•
	Slidewire Emulation (Note 2)	_ 40	•	•

01128_ _

4S
5S
6S
8S
9S 7S

TABLE V - SWITCH AND RELAY OUTPUTS (2 mech end-of-travel limits standard)

		Selection	4S	5S	6S	8S	9S	7S
Auxiliary Switches and	None	00 _	•	•				
	2 Aux. SPDT Switches	20 _	•	•				
	2 Aux. + 2 Programmable Relay Outputs	22 _	•	•				
	2 Programmable Relay Outputs	02 _	•	•				
	4 Programmable Relay Outputs	04 _	•	•				
Auto/Manual Switch	None	_ _ 0	•	•				
	One Auto/Manual Switch with Out-of-Auto Contact	_ _ 1	•	•				

TABLE VI - CONFIGURATION INTERFACE

Remote	None - requires HercuLink™ (Note 3)	0	•	•
Local	Integrally mounted local display/keypad interface	1	•	•

TABLE VII - COMMUNICATIONS/PROTOCOL

Modbus RTU RS485	RS-485 Modbus compliant - standard with EEU	0	•	•
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TABLE VIII - OPTIONS

Crank Arm	Adjustable 8" to 14" Radii - Standard	0 _ _ _ _	•	•
Linkage Kit	None	_ 0 _ _ _	•	•
	Up to 20 ft. length - customer supplies schedule 40 pipe	_ 1 _ _ _	•	•
Future Option	None	_ _ 0 _ _	•	•
Future Option	None	_ _ _ 0 _	•	•
Tagging	None	_ _ _ _ 0	•	•
	Linen (Note 4)	_ _ _ _ 1	•	•
	Stainless Steel (Note 4)	_ _ _ _ 2	•	•
Certificates	None	_ _ _ _ _ 0	•	•
	Certificate of Compliance	_ _ _ _ _ 1	•	•

TABLE IX - FACTORY OPTIONS

Future	None	00		
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ACCESSORIES

	Description	Part Number
Handheld	HercuLink™ Palm Software	51452354-509
Configurator (Note 5)	Battery powered 232/485 converter w/cable	51452354-510

RESTRICTIONS

Restriction Letter	Table	Available Only With Selection	Not Available With Table	Selection
a	I	11284S, 11285S, 11286S	I	11287S, 11288S, 11289S

Note 1: Requires (2) adapters PN 51204694-501 for retrofit of existing Leeds & Northrup 011284 and 011285 actuators.

Note 2: Slidewire emulation is a solid state circuit providing a ratiometric voltage output proportional to shaft position.

Note 3: HercuLink™ software (51452354-509), RS232/485 converter (51452354-510), customer supplied Palm™ PDA running OS3.5 or higher and Palm serial cable are required if no display is selected.

Note 4: Customer must supply tagging information: Up to 3 lines (22 characters for each line)

Note 5: Requires PDA manufacturer's serial interface cable.