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Speed Switch Selector Guide

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[DMS100/5000](#)

[DR1000](#)

[FB420](#)

[LRB1000/2000](#)

[M100/5000](#)
(replace w/M100T/5000T)

[PVC100/5000](#)

[M100T/5000T](#)

[SCP1000/2000](#)

[SS110](#)

[UDS1000](#)

Sensor										
Input Signal ⁽¹⁾	S	S	S	S	S	S	S	S	S	Q
Input Signal ⁽²⁾ Termination	N, P	N, P	I	N	I	I	I	I	N	N
Operating										
Setpoints	2	1	1	1 or 2	1	1	1	1 or 2	1	1
Setpoint Range (rpm) w/Standard 255 Disc	5-100/ 100-5,000	0.5-5,000	0.75- 9,999	1-99/ 10-990	10-100/ 100-5,000	10-100/ 100-5,000	5-100/ 100-5,000	1-99/ 10-990	0.01-0.99 0.1-9.9	0.5-5,000
Setpoint Calibration	Analog	Analog	Digital	Digital	Analog	Analog	Analog	Digital	Digital	Analog
Setpoint Adjustments ⁽³⁾	25TP	1TP 25TP	D	R	1TP 25TP	1TP 25TP	1TP 25TP	R	R	1TP 25TP
Overspeed	✓		✓	✓				✓	✓	✓
Underspeed	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Zerospeed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Reverse Detection										✓
Failsafe	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Start Delay				✓				✓	✓	
Operating Temp. (°C)	0 to +50	-40 to +60	-40 to +60	-40 to +60	-40 to +60	-40 to +60	-40 to +60	-40 to +65	-40 to +60	-40 to +60
Output										
4-20 mA			✓							
DPDT Form C		1						1-SCP1000		1
SPDT Form C	2		1	1 or 2	1	1	1	2-SCP2000	1	
Input Power										
12 VDC	✓	✓		✓			✓	✓	✓	✓
24 VDC	✓	✓	✓	✓			✓	✓	✓	✓
115 VAC	✓	✓		✓	✓	✓	✓	✓	✓	✓
230 VAC	✓	✓		✓			✓	✓	✓	✓
Housing										
Mounting ⁽⁴⁾	D	E	C	D	C	C	C	C	D	E
Material ⁽⁵⁾	P	CAL	CAL	P	CAL	PVC	CAL	CAL	P	CAL
Explosion Proof		✓	✓		✓		✓	✓		✓
EZ Mount Option			✓		✓		✓	✓		

(1)
S Single
Q Quadrature

(2)
N NPN Open Collector Output
P PNP Open Collector Output
I Internal Sensor

(3)
D Digital
R Rotary Switches
1TP 1-Turn Potentiometer
25TP 25-Turn Potentiometer

(4)
E Enclosure
C Conduit/Bracket
D DIN Rail

(5)
CAL Cast Aluminum
P Plastic
PVC PVC

Please refer to individual product data sheets and operation manuals for more information.

