

Desoutter

ESP2-A

**Advanced controller
for SLBN range**

*Connect up to two tools.
Unique controller for all SLBN range
Advanced fastening strategies
& Batch count
Easy integration*

More Than Productivity

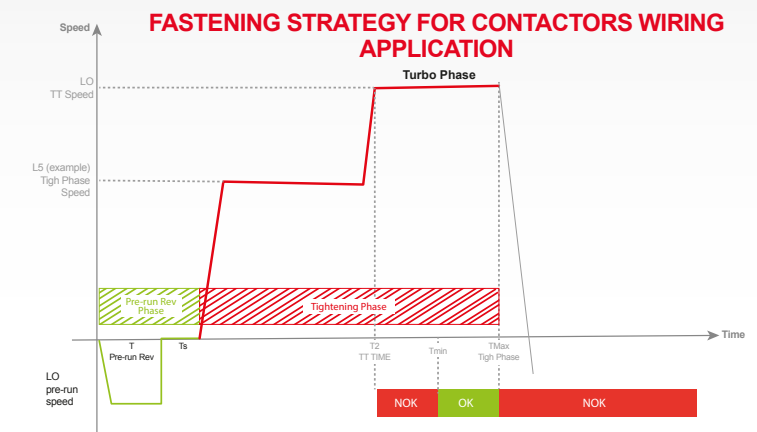
IndustrialTools

Advanced controller for SLBN screwdrivers



1 Advanced fastening strategies & Batch count

- 5 Programmable Psets to meet your application needs
- Batch count up to 99 screws
- Adjustable speed in each strategy
- One dedicated fastening strategy for each of your applications



APPLICATIONS	FASTENING STRATEGIES			
	PRE-RUN REVERSE	SLOW-START	TIGHTENING PHASE	POST-RUN REVERSE
Contactors wiring	✓		✓	
Search sequence	✓ with low speed and short time	✓ optional	✓	
Plastics			✓ with low speed	
Self-taping screws			✓ with middle speed	
Soft joints		✓ optional	✓ with high speed	
Hard joints		✓ optional	✓	
Wood			✓	
Placement of threaded fasteners Taping blind holes Cleaning taped holes To disengage bit from screw head (slow speed and short time)		✓	✓ with high speed	✓

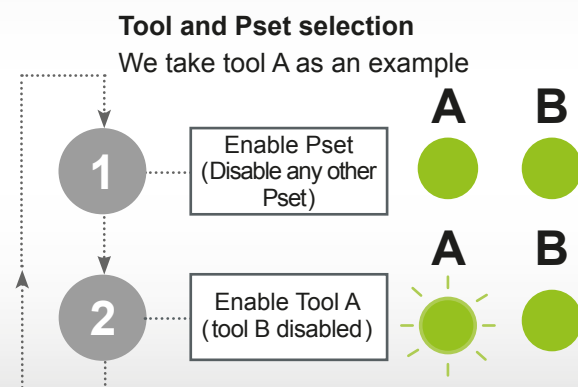
* If you choose a «slow start» phase, check the optimal final speed to clutch. This is not needed if you don't have a «slow start».

2

Two Low Voltage clutch tools in one controller

It **improves your cost** by reducing the number of controllers in the Production line. Ideal for working stations with more than one tool

The two tools are independant and cannot run at the same time



3

Easy integration in Production line



INPUTS	OUTPUTS
Remote Start•	•OK
Remote Reverse•	•NOK
Enable tool A•	•OK Batch
Enable tool B•	•Tool running forward
Enable Reverse•	•Tool running reverse
Reset Batch•	•24/12 Vdc
NOK•	
Acknowledgment	
Psets 1 to 5•	

Tools can be used manually or automatized in the Production line.

We have all needed inputs and outputs with relays (dry contacts) to work with:

- PLCs
- Robots
- Screwfeeders

We improve your flexibility in Production

4

Only one controller for all the SLBN range



We **increase your Production flexibility** by having a unique controller for all Desoutter SLBN range

Only one controller from 0,07 to 12 Nm (0,62 to 106,2 in.lb.)

Low Voltage Screwdriver with clutch shut off - SLBN

0.02 to 12 Nm (0.18 to 106.2 in.lb) - 160 to 2000 rpm

Flexibility

- Installation by clamping in the top or in the front by a torque fixing ring

ESD Certification

- Dedicated version for Electrostatic discharge component protection

Productivity

- Speed up to 2000 rpm
- Maintenance free thanks to brushless motor

Ergonomy

- Soft Rubber grip
- Low noise level <70dB(A)



A



B



C



D



E



F

MODEL	LENGTH		WEIGHT	
	mm	in.	kg	lb.
SLBN001	174	6.8	0.17	0.37
SLBN003/010	182	7.2	0.38	0.34
SLBN012/020	245	9.6	0.58	1.28
SLBN030/050	283	11.1	0.80	1.76
SLBN090/120	301	11.8	1.25	2.76

PIC REF	MODEL	PART NUMBER	OUTPUT HEX	FREE SPEED		TORQUE RANGE		TORQUE RECOMMENDED		VOLTAGE VDC	CONTROLLER
				in	Hi rpm	Lo rpm	Nm	in.lb	Nm	in.lb	

LEVER START - LOW VOLTAGE - CLUTCH CONTROL - SHUT OFF

A	SLBN001-L1000-SWS	615 165 873 0	whing shank		1000	700	0.02-0.14	0.18-1.32	0.10	0.91	15	ESP1.LT included
A	SLBN003-L230-S4Q	615 165 922 0	1/4		230	160	0.07-0.34	0.62-2.99	0.24	2.09	25	ESP1
A	SLBN003-L1000-S4Q	615 165 923 0	1/4		1000	750	0.07-0.34	0.62-2.99	0.24	2.09	25	ESP1
A	SLBN010-L1000-S4Q	615 165 955 0	1/4		1000	750	0.1-1	0.88-8.8	0.70	6.16	25	ESP1
B	SLBN012-L1000-S4Q	615 165 924 0	1/4		1000	750	0.2-1.18	1.76-10.4	0.83	7.28	32	ESP1
B	SLBN012-L2000-S4Q	615 165 925 0	1/4		2000	1500	0.2-1.18	1.76-10.4	0.83	7.28	32	ESP1
B	SLBN020-L1000-S4Q	615 165 926 0	1/4		1000	750	0.29-1.9	2.57-16.8	1.33	11.76	32	ESP1
C	SLBN030-L1000-S4Q	615 165 927 0	1/4		1000	750	1.00-2.9	8.80-25.7	2.03	17.99	40	ESP1-HT
C	SLBN030-L2000-S4Q	615 165 928 0	1/4		2000	1500	1.00-2.9	8.80-25.7	2.03	17.99	40	ESP1-HT
C	SLBN050-L1000-S4Q	615 165 929 0	1/4		1000	750	2.00-4.9	17.7-44.4	3.43	31.08	40	ESP1-HT
D	SLBN090-L800-S4Q	615 165 947 0	1/4		800	600	3.00-9.0	26.6-79.7	6.30	55.79	40	ESP1-HT PLUS
D	SLBN120-L550-S4Q	615 165 948 0	1/4		550	410	4.00-12	35.4-106.2	8.40	74.34	40	ESP1-HT PLUS

PUSH START - LOW VOLTAGE - CLUTCH CONTROL - SHUT OFF

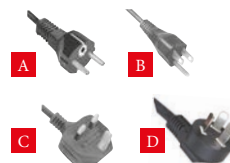
E	SLBN012-A1000-S4Q	615 165 934 0	1/4		1000	750	0.2-1.18	1.76-10.4	0.83	7.28	32	ESP1
E	SLBN012-A2000-S4Q	615 165 935 0	1/4		2000	1500	0.2-1.18	1.76-10.4	0.83	7.28	32	ESP1
E	SLBN020-A1000-S4Q	615 165 936 0	1/4		1000	750	0.29-1.9	2.57-16.8	1.33	11.76	32	ESP1
F	SLBN030-A1000-S4Q	615 165 937 0	1/4		1000	750	1.00-2.9	8.80-25.7	2.03	17.99	40	ESP1-HT
F	SLBN030-A2000-S4Q	615 165 938 0	1/4		2000	1500	1.00-2.9	8.80-25.7	2.03	17.99	40	ESP1-HT
F	SLBN050-A1000-S4Q	615 165 939 0	1/4		1000	750	2.00-4.9	17.7-44.4	3.43	31.08	40	ESP1-HT
D	SLBN090-A800-S4Q	615 165 951 0	1/4		800	600	3.00-9.0	26.6-79.7	6.30	55.79	40	ESP1-HT PLUS
D	SLBN120-A550-S4Q	615 165 952 0	1/4		550	410	4.00-12	35.4-106.2	8.40	74.34	40	ESP1-HT PLUS

Controller

START-UP KIT to be ordered with the controller

Including: Power cable and plug

PLUG	DESCRIPTION	PART NO.
A	European	615 917 201 0
B	US	615 917 203 0
C	UK	615 917 202 0
D	Chinese	615 917 206 0



A



B



C

PIC REF	MODEL	PART NUMBER	DIMENSIONS						WEIGHT		VOLTAGE VAC	COMPATIBLE TOOLS
			WIDTH		HEIGHT		DEPTH		kg	lb		
			mm	In	mm	In	mm	In				
A	ESP1	615 932 635 0	160	6.3	75	2.95	55	2.17	0.50	1.1	100-240	SLBN003/012/020
B	ESP1-HT	615 932 637 0	213	8.4	131	5.20	65	2.60	1.80	3.9	100-240	SLBN030/050
B	ESP1-HT PLUS	615 932 707 0	213	8.4	131	5.20	65	2.60	1.63	3.6	100-240	SLBN90/120
C	ESP2-A	615 932 708 0	135	5.3	285	11.2	105	4.1	2.8	4.4	100-240	SLBN003-SLBN120

Accessories

SLBN

ACCESSORIES INCLUDED

	SLBN
• Torque fixing ring for SLB003	615 225 053 0
• Torque fixing ring for SLB012/020	615 548 218 0
• Torque fixing ring for SLB030/050	615 548 219 0
• Cable L = 1.83m (6ft)	615 397 416 0

OPTIONAL ACCESSORIES

ITEM		SLBN
SLBN Tools		
1	Control Box	615 932 709 0
2	Spiral cable 3m (9.9 ft)	615 360 838 0
3	Pistol grip (Trigger) for SLB030/050	615 397 918 0
3	Pistol grip (Push) for SLB030/050	615 397 919 0
3	Pistol grip (Push) for SLB012/020	77562
•	Cable, 10m (32.8 ft)	615 360 379 0
•	Wall fixing plate for ESP1-HT	615 571 085 5
•	Clamp ring for SLB012/020	615 399 057 0
•	Clamp ring for SLB030/050	615 397 815 0
•	Adaptor M20 SLB012/020	615 548 151 5
•	Adaptor M20 SLB 030/050	615 548 152 5
4	Angle head for SLB012/020	615 398 033 0
4	Angle head for SLB030/050	615 398 034 0



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Product brochures, exploded views,
certificates of conformity, CAD files...
Find all the Technical documentation that you need!

GET TO KNOW DESOUTTER INDUSTRIAL TOOLS
from another perspective and stay in touch with us!



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