

Low Voltage Brushless Motor for Controller with Screw Fastening Counter

DLV30/45-IKU series

■ For Machine Screws #3 - #13 (2.6 - 6.0 mm)

for DLR70S-WUB and DLC70S-WUB

Features

Brushless motor powered electric screwdrivers with external, adjustable controller

- Brushless motor and newly designed clutch provide a more consistent torque output over the life of the tool
- Any of the three models can be operated by a standard controller, allowing a wide range of torque from 3.5 - 39.8 Lb-in and max speeds of 650, 1,200, and 2,000 rpm
- Torque ring cover prevents unintentional changes in the preset torque amount (clear cover on DLV30 series)
- Torque ring cover prevents unintentional changes in the preset torque amount (DLV45)
- Detachable Pistol Grip comes as standard accessory (DLV45)
- Grounded bit system standard



Specifications

Electric Screwdriver																
Model	Starting Method	*1Adjustable Speed Range rpm	*1Free Speed at Soft Start rpm	*1Adjustable Soft Start Time sec	Torque Adjustment Lb-in(Nm)		Screw Size(for reference)		Weight lbs(g)	Bit	Input Voltage	Power Consumption W				
					Low Torque Spring (Standard Accessory)	High Torque Spring (installed)	inch thread	metric coarse thread								
DLV30LL-IKU	Lever Start	390 - 650	260	0 - 2	3.5 - 14.2 (0.4 - 1.6)	10.6 - 26.6 (1.2 - 3.0)	#3 - #11	2.6 - 5.0 mm	1.58 (720)	Hex 1/4"	40 V DC	77				
DLV30SL-IKU		720 - 1,200	480													
DLV30HL-IKU		1,200 - 2,000	800													
DLV30LP-IKU	Push to Start	390 - 650	260		17.7 - 39.8 (2.0 - 4.5)	#9 - #13	4.5 - 6.0 mm	1.91 (870)								
DLV30SP-IKU		720 - 1,200	480													
DLV30HP-IKU		1,200 - 2,000	800													
DLV45LL-IKU	Lever Start	390 - 650	260		0 - 2	3.5 - 14.2 (0.4 - 1.6)	10.6 - 26.6 (1.2 - 3.0)	#3 - #11	2.6 - 5.0 mm				1.58 (720)	Hex 1/4"	40 V DC	77
DLV45SL-IKU		720 - 1,200	480													
DLV45LP-IKU	Push to Start	390 - 650	260			17.7 - 39.8 (2.0 - 4.5)	#9 - #13	4.5 - 6.0 mm	1.91 (870)							
DLV45SP-IKU		720 - 1,200	480													
Controller	DLR70S-WUB, DLC70S-WUB (see page 10)															

*1 : Values are obtainable in combination with control unit DLR70S-WUB or DLC70S-WUB.

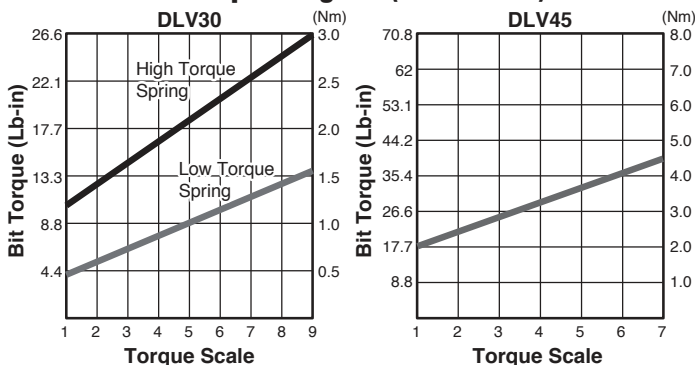
Standard Accessories

For DLV30	<ul style="list-style-type: none"> • Bit No.2 × 7 × 75: 1 pc. • Suspension Bail: 1 pc. • Low Torque Spring: 1 pc.
For DLV45	<ul style="list-style-type: none"> • Bit No.2 × 7 × 75: 1 pc. • Suspension Bail: 1 pc.

Optional Accessories

<p>Easy-to-attach grip for horizontal operation.</p> <p>Pistol Grip DLW2300 (TD00335)</p>	<p>Torque Reaction Arm (TD06180)</p>	<p>Vacuum Pickup DLP7400 for high torque (TD07286-0)</p>	<p>Sleeve DLS4220 (TV06220-0) DLS4221 (TV06221-0)</p>
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Torque Diagram (for reference)



For enhanced productivity and prevention of operator's repetitive motion injury, a torque reaction arm should be used all together.

Screw Fastening Counter for DLV30/45-IKU series

DLR70S-WUB

Features

Enhanced versatility by combining a controller and counter in one unit

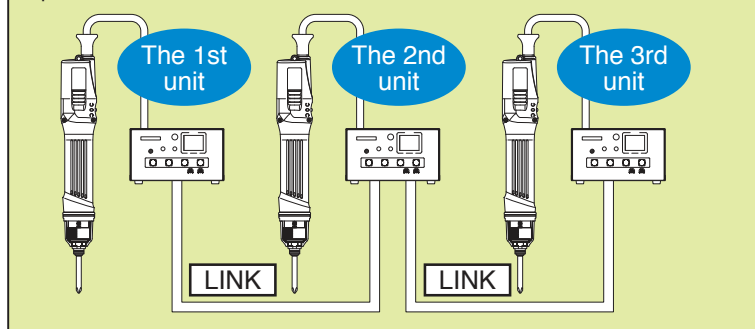
- “Count Correction” function that does not count improper length screws, improperly torqued screws that require Re-torquing, cross-threaded screws or screws that were not completely threaded
- “Count Back” function reverses the counting when a screw is unfastened
- Up to 4 different screw fastening programs can be stored in internal memory for a wide variety of assembly work
- Sequential screw fastening system (LINK Function) can be used with up to 10 screwdriver/controller sets connected in series
- “Step-less Speed Adjustment” function and “Soft-Start” function allow maximum control of the connected screwdrivers
- Universal input voltage from 100 V AC to 240 V AC to easy installation
- Grounded bit system standard (with a 1MΩ resistor)



LINK Function

When counters are connected and activated in the screw fastening sequence as shown below, all screwdrivers are on standby except the first one in the sequence. Only when the first screw fastening is finished, can the next screwdriver change from standby to ready. When the last fastening in the sequence is finished, the first screwdriver is once again ready and the sequence can be repeated again.

Up to 10 screwdriver/counter sets can be connected to the LINK.



Specifications

Model	DLR70S-WUB
Input Voltage	100 - 240 V AC, 50/60Hz
Speed Control Function	60 - 100 %
Soft Start Function	0 - 2 sec.
Count	0 - 99
Allowable Number of Screw Fastening Programs	4
Counting Method	Count-up / Count-down
Count Correction Function	Count normal fastening only
Self Adjustable Timer Setting	0.01 to 0.99 sec.
OK Output Timer Setting	0 to 9.5 sec.
Count Back Function	ON / OFF
OK / NG Buzzer	ON / OFF
Input Signal	WORK / RESET / LINK-IN / CH1 / CH2 / TORQUE CHECK
Output Signal	OK / NG / LINK-OUT / TORQUE UP
Weight	lbs(kg) 5.07 (2.3)
Size W × L × H	in(mm) 5.24" × 12.8" × 3.15" (133 × 325 × 80)
Standard Accessories	Power cord (80"): 1 Fuse (5 A): 1

Controller for DLV30/45-IKU series

DLC70S-WUB

Features

Universal input voltage from 100 V AC to 240 V AC to easy installation

- Controller provides Soft-Start function that helps prevent screw head and thread damage by allowing a slower starting speed
- Step-less speed adjustment allows an operating range from 390 - 2,000 RPM for various applications
- The controller has output terminals on the rear allowing signals of Start, Torqued-up and Reverse to be used with a counting device to help prevent screw tightening errors
- Applying 24 V DC to the rear inputs on the controller will cause the screwdriver to come to an immediate stop in the event of an emergency
- Controller can be mounted either horizontally or vertically
- Grounded bit system standard (with a 1MΩ resistor)

Specifications

Model	DLC70S-WUB
Input Voltage	100 - 240 V AC, 50/60 Hz
Function	Grounding, Soft Start, Speed Control
Signal Output(contact point type)	Start, Torque up, Reverse(Dry contact)
Signal Input	Drive Stop Function (DC 24 V Input Voltage needed)
Weight	lbs(kg) 3.96 (1.8)
Size W × L × H	in(mm) 5.28" × 11.88" × 2.68"(132 × 297 × 67)
Standard Accessories	Power cord(80"): 1 Rubber feet: 4 Fuse(5 A): 1



DLR70S-WUB/DLC70S-WUB