

DLR5640-WN Non-CE

Features

The self-adjustable timer function automatically assesses the time required to complete fastening each screw and reflects it on the judging time setting

- Ideally suited for the assembly lines of vehicles and electrical equipment requiring reliable screw fastening
- The controller receives signals from electric screwdrivers to provide highly reliable screw fastening control
- · Functions of the controller and counter are integrated into a single unit
- Count Return Function: When a screw is loosened, a reverse signal output from the electric screwdriver reverses the count by one
- The self-adjustable timer function automatically assesses the time required to complete tightening each screw and reflects it on the judging time setting
- The Count Correction Function does not count fastening errors such as elevated screws or double fastening
- External Count Function: To be available to various assembling jobs, the DLR5640 enables counting of two kinds of parts (up to 9 counts each) in addition to the screw tightening counting. These kinds of counting can be used together.
- Link Connection Function: You can build up a simple sequential screw tightening system by connecting the DLR5640 screw tightening counters in series without using any external controller such as a programmable controller
- · Driver Lock Function prevents unexpected start of screwdrivers
- Desktop or wall-hung installation is available
- Input voltage range from 100 V AC to 240 V AC is acceptable in any part of the world

Specifications

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Model	DLR5640-WN	g USA
Count	1 to 99	
Counting Method	Count-up / Count-down	
Count Correction Function	Count normal fastening only	
Self Adjustable Timer Setting	0.01 to 0.99 sec.	<u> </u>
Work Detection Function	Yes (1 terminal) / No	
External Count Input	2 terminals (PARTS A / PARTS B)	
Work Installation Timer Setting	0 to 9.5 sec.	
OK Output Timer Setting	0 to 9.5 sec.	
NG Alarm	ON(1) / ON(2) / OFF	Party of the second sec
OK Buzzer	ON(1) / ON(2) / ON(3) / OFF	All Accounts
Count Return Function	ON / OFF	~
NG Judge Timing	WORK SET / DRIVER ON	
Automatic / Manual OK Judge	AUTO / MANUAL	And I and the second
Screwdriver Lock Function	ON / OFF	5
Multiple Link	Up to 10 counters can be connected.	(threatmant)
External Inputs on Terminal Block(NPN)	SENSOR / RESET / LINK-IN / PARTS A / PARTS B	
External Outputs on Terminal Block(NPN)	OK / NG / LINK-OUT	
Parameter Memory	Parameters stored in internal nonvolatile memory	ALL REAL
Screwdriver Control	SPEED / LINEAR START	
Power Source	100 - 240 V AC, 50/60 Hz	
Screwdriver Power Supply	33 V DC, 1.5 A	Example of use together with
External Dimensions (mm [inch])	W101 x D140 x H57 [W3.98" x D5.51" x H2.24"]	a sensor available in the market
Mass (g [lbs])	800 [1.76]	
Accessories	2 m Power cord with 3-prong USA plug Suspension bail (2 pcs.)	-

The example of installation

Screwdrivers designed

for DLR5640-WN Non-CE



Specifications

Model		DLV7410A-SPC	DLV7410HA-SPC	DLV7420A-SPC	DLV7321-SPC	DLV7331-SPC	
Starting Metho	Inting Method Lever Start						
Torque Adjustment			Stepless				
Torque (Nm [lbf·in])		0.02 to 0.2	0.02 to 0.2 [0.2 to 1.8] 0.15 to 0.4 [1.3 to 3.5]		0.1 to 0.5 [1.9 to 4.4]	0.3 to 1.2 [2.7 to 10.6]	
Free Speed (min ⁻¹)		500 to 750	700 to 1000	450 to 600	300 to 1000	200 to 700	
Power Consumption (W)			Approx. 10		Approx. 35		
Screw Size (mm)	Machine Screw	1.0 t	1.0 to 2.3		1.0 to 3.0	2.0 to 3.5	
	Tapping Screw	1.0 t	1.0 to 2.0		1.2 to 2.6	2.0 to 3.0	
Electrostatic Countermeasure			Complied with EN100015-1				
Mass	(g [lbs])		230 [0.51]		350 [0.77]		
Cord Length	(m)	1.5 (with connector)					
Rated Operation	1	ON: 0.5 seconds / OFF: 3.5 seconds					
Bit Grounding		Equipped as standard					

Combinations with Electric Screwdrivers

unit: mm

Screwdriver Model	Connection	Remarks	
DLV7410A/7410HA/7420A-SPC	The cord comes with screwdriver	Screwdriver for the screw fastening counter only	
DLV7321/DLV7331-SPC	Direct connection to power source		
DLV7410A/DLV7410HA/DLV7420A/DLV7419A/DLV7419HA/DLV7429A-BMN	Optional conversion cord (TD02925 DLW9072)	General-purpose screwdriver *	
		* The Count Return Function is not available.	

Optional Accessories

Optional conversion cord 1.5 m DLW9072	Torque Adjustment Ring Cover DLW5300	Torque Adjustment Ring Cover DLW5700	
O	For DLV7300 -SPC	For DLV7400A -SPC	
	This minimizes tampering or accidental turning of the torque adjustment ring once the torque is set.	This minimizes tampering or accidental turning of the torque adjustment ring once the torque is set.	

LINK Function (Common to DLR5040A & DLR5640)

When counters are connected and activated in the screw fastening sequence as shown on the right, 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.

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

