

# DLR5040A-WU

## Features

### Improves screw fastening accuracy by monitoring counts and torqued status

- Ideally suited for vehicle assembly lines and products produced in high-volume that require accurate screw fastening
- Controller evaluates torque signals from electric screwdriver to monitor fastening counts and provides torque status information
- Count Return Function: When loosening a screw, a reverse signal is sent to the controller to reverse the screw count by one
- Count Correction Function: Controller ignores counts on screws that are outside the preset parameters or double fastened
- Driver Lock Function: Controller prevents unexpected startup of screwdrivers
- Link Connection: Creates a simple sequential screw fastening system by connecting the DLR5040A screw fastening counters in series without using any external controller such as a programmable controller
- 30 % smaller and 38 % lighter than our conventional models
- Designed for transformer-less screwdrivers SPC series
- Grounded bit system standard



## Specifications

Model	DLR5040A-WU	
Count	1 - 99	
Counting Method	Count-up / Count-down	
Count Correction Function	Count normal fastening only	
Self Adjustable Timer Setting	0.01 to 0.99 sec.	
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	
OK Buzzer	ON(1) / ON(2) / ON(3) / OFF	
Count Return Function	ON / OFF	
NG Judge Timing	WORK SET / DRIVER ON	
Automatic / Manual OK Judge	AUTO / MANUAL	
Screwdriver Lock Function	ON / OFF	
Multiple Link	Up to 10 counters can be connected.	
External Inputs on Terminal Block	SENSOR / RESET / LINK-IN / PARTS A / PARTS B	
External Outputs on Terminal Block	OK / NG / LINK-OUT	
Parameter Memory	Parameters stored in internal nonvolatile memory	
Input Voltage	100 - 240 V AC, 50/60 Hz See the bottom asterisk.*1	
Size W × L × H	inch(mm)	3.98" × 5.12" × 2.36" (101 × 130 × 60)
Weight	lbs(kg)	1.21 (0.55)
Standard Accessory	80"(2 m) cord with UL three-prong plug	



Example of use together with a sensor available in the market

## LINK Function

When counters are connected and activated in the screw fastening sequence as shown in page 12, 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.

# DLR5340-WU

## Features

### Improves screw fastening accuracy by monitoring counts and torqued status

- Internal memory stores up to eight screw fastening conditions for a wide range of assembly work
- Count-Up signal outputs for external monitoring
- Count Correction Function: Controller ignores counts on screws that are outside the preset parameters or double fastened
- Count Return Function: When loosening a screw, a reverse signal is sent to the controller to reverse the screw count by one
- Space saving design
- Grounded bit system standard



## Specifications

Model	DLR5340-WU	
Count	0 - 99	
Counting Method	Count-up / Count-down	
Count Correction Function	Count normal fastening only	
Self Adjustable Timer Setting	0.01 to 2.50 sec.	
Work Detection Function	Yes (1 terminal) / No	
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	
OK Buzzer	ON(1) / ON(2) / ON(3) / ON(4) / ON(5) / OFF	
Count Return Function	ON / OFF	
Screwdriver Lock Function	ON / OFF	
Screwdriver Cord Connection	Single cord connection (Signal and power lines)	
External Inputs on Terminal Block	SENSOR / RESET / TORQUE CHECK ch1/2/3	
External Outputs on Terminal Block	OK, NG, COUNT-UP, DRIVER A/B/C	
Input Voltage	100 - 240 V AC, 50/60 Hz See the bottom asterisk.*1	
Size W × L × H	inch(mm)	5.94" × 5.51" × 2.36" (151 × 140 × 60)
Weight	lbs(kg)	1.76 (0.8)
Standard Accessory	80"(2 m) cord with UL three-prong plug	

\*1 : The voltage of the dedicated screwdrivers for DLR5040A-WU and DLR5340-WU is 115 V. When you need different voltage screwdrivers, please contact NITTO KOHKI U.S.A.