● Accessory Chart

● : Standard   ○ : Sold separately

		Type A	Type B	Type C	Type D
Power Adaptor / Cord	EYSZP001B	○	○	○	○
Battery Pack Adaptor	EYSZP002B	○	○	○	○
2m Screwdriver Cord	EYSXC120B	●	●	●	●
3m Screwdriver Cord	EYSXC130B	○	○	○	○
Communication Cable	EYAXC230B	N/A	N/A	○	N/A
Hanging Hook	EYSXA100B	●	●	●	●
Clutch Cover	EYSXA101B	●	●	●	●
Grip Attachment	EYSXA102B	○ EYADA212WA EYADA218WA / ● EYADA407WA	○ EYADA212WB EYADA218WB / ● EYADA407WB	○ EYADA212XC EYADA218XC / ● EYADA407XC	○ EYSDA212XD EYSDA218XD / ● EYSDA407XD
Mode setting button cover *(Available Summer 2024)*	EYSXA103B	●	●	●	N/A
WLAN Controller	EYARW1B	○	○	N/A	N/A
Controller Management Software *Only for wireless capable models	EYASW1B	○	○	N/A	N/A

● Dimension
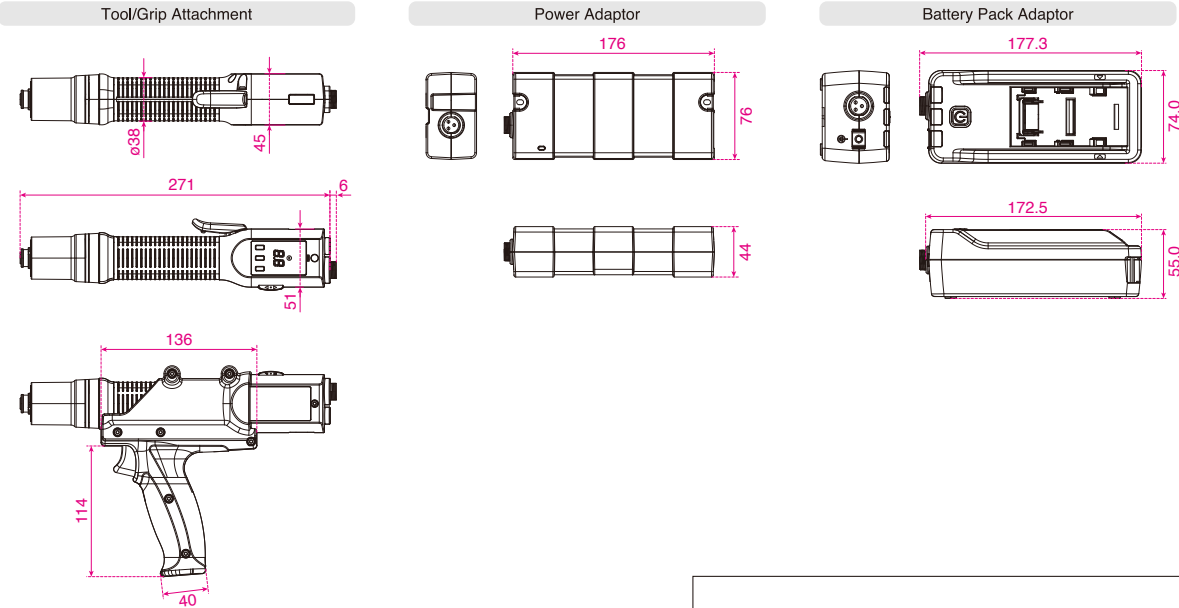
Tool/Grip Attachment

ø38   45   271   6   51   136   114   40

Power Adaptor

176   76

Battery Pack Adaptor

177.3   74.0   172.5   55.0   44

DEALER'S STAMP

Panasonic

Factory Use | **Electric Screwdriver Series**

EYADA212 / 218 / 407 Series
EYSDA212 / 218 / 407 Series

DC Clutch Screwdriver from Panasonic

Visualises your assembly quality

- **Extensive lineup – 12 models**
- **Wide spec range** (160-1,800min⁻¹/0.3-4.4Nm)
- **Wireless data record** (Type A/B)
- **Built-in controller/counter** (Type A/B/C)
- **Pokayoke OK/NOK LED Indication**
- **Lever/Push start convertible in one body**

Take your quality control to the next level with advanced technology

Traceability

- **Collect, keep and analyse work data with WLAN controller**
  (Up to 8 tools wireless connection per one controller)

On-site work can be recorded.

Possible to leave the torque conversion value of the fastened screw
*Type A only

1.20Nm
1.18Nm
1.22Nm
• • •

Pokayoke

- **Reduce the risk of fastening errors**

OK / NOK Verification Lamp

Lights up green when the work is completed by the operated clutch.

Lights up in red when the work is finished with the clutch inactive.

Built-in count-up or down indication to prevent missing fastenings

1 2 3 4 complete

User-Friendly

- **Push / Lever start**

Choice of push or lever start mode

Push start   Lever start

- **Space saving / Easy layout**
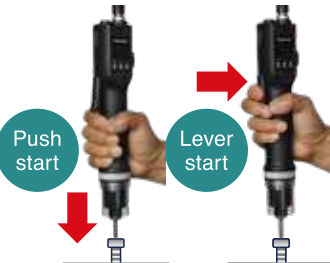
No need of spacy separate counter

- **Ergonomic design**

Anti-slip ø38mm slim grip

38mm

271mm

approx.
630g
Lightweight

Actual size

Additional Convenience

DC Electric Screwdriver with two kinds of power source

AC outlet   Battery pack

Choose from 12 models by type, torque, speed range and functionality

Type	Wireless A			Wireless B			Wired C			Basic D		
Model #	EYADA212WA	EYADA218WA	EYADA407WA	EYADA212WB	EYADA218WB	EYADA407WB	EYADA212XC	EYADA218XC	EYADA407XC	EYSDA212XD	EYSDA218XD	EYSDA407XD
Clutch torque setting range *See below for details.	0.3~2.5Nm	0.3~2.0Nm	1.5~4.4Nm	0.3~2.5Nm	0.3~2.0Nm	1.5~4.4Nm	0.3~2.5Nm	0.3~2.0Nm	1.5~4.4Nm	0.3~2.5Nm	0.3~2.0Nm	1.5~4.4Nm
Rated rotation speed *Speed change possible with 10 different levels. See below for details.	*(300~) 1,200min^{-1}	*(450~) 1,800min^{-1}	*(160~) 650min^{-1}	*(300~) 1,200min^{-1}	*(450~) 1,800min^{-1}	*(160~) 650min^{-1}	*(300~) 1,200min^{-1}	*(450~) 1,800min^{-1}	*(160~) 650min^{-1}	1,200min^{-1}	1,800min^{-1}	650min^{-1}

Traceability

(Converted) Torque value output

Data output method

| Wireless (WLAN) | Controller | Wireless (WLAN) | Controller | Cable connection to PLC | Communication Cable | |

Pokayoke

Sequence function

| Wireless (WLAN) | Controller | Wireless (WLAN) | Controller | Cable connection to PLC | Communication Cable | |

Built-in count indication

Soft start / Soft Snug function

Verification LED lamp / Buzzer — No buzzer

User-Friendly

Push / Lever start choice

Space saving /Easy layout

Convenience

Operation with battery pack

■ **Clutch scale and clutch torque**

Manually rotate the clutch dial to the desired torque value referring to the approximate guidance output.

Scale 0~8 with 96 steps

● **Guidance output**

Nm
5
4
3
2
1
0

407 Series
212 Series
218 Series

Fastening Torque

scale
0 1 2 3 4 5 6 7 8
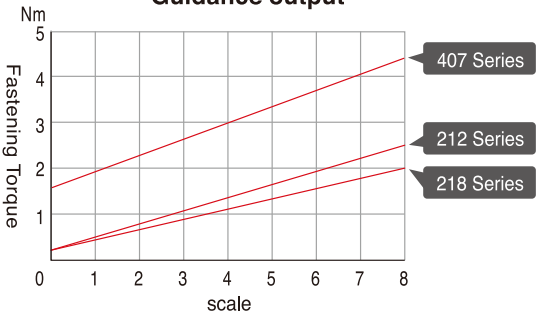
■ **Multiple rotation speed setting options**

With any mix of soft start and soft snug time, possible to set various rotation speed pattern according to your fastening requirement.
* within 9.9 seconds/fastening   * not available in EYSDA models   * Level 10 : rated rotation speed
● **Rotation speed by level / model** (min^{-1}/approx.)

Level	01	02	03	04	05	06	07	08	09	10
EYADA218	450	600	750	900	1,050	1,200	1,350	1,500	1,650	1,800
EYADA212	300	400	500	600	700	800	900	1,000	1,100	1,200
EYADA407	160	220	270	330	380	430	490	540	600	650

● **Soft start / Soft snug time setting example**

level
10
:
:
01

9.9sec.
Rotation Shut-off

level
10
:
:
01

9.9sec.
Rotation Shut-off

10
:
:
01

Rotation Shut-off

10
:
:
01

Rotation Shut-off
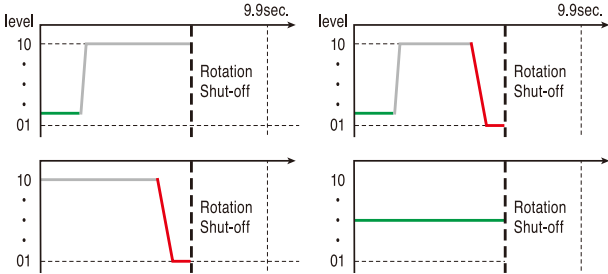
Advanced trace ability, visible Pokayoke and user-friendly convenience

Traceability
Type A B

Record on-site work data wirelessly with WLAN controller

Production site operation can be recorded
Data such as fastened count, fastened quality, torque converted value* can be recorded, for quality check or daily report purposes.

***Type A only**
Recording the "converted" torque value of each fastening is possible

The motor current can be converted to torque value and recorded, for quality check or base data of process improvement.

1.20Nm
1.18Nm
1.22Nm
・・・

*Torque converted value is an estimated value.
Use only for reference for tendency control etc.
Not recommended for value certification.

'Controller Management Software' collects and analyzes work data up to 80 tools in your laptop

Productivity improvement by operation analysis

Work data such as work time, OK/NOK result and reverse rotation history from rework can be collected and used for work analysis and/or as productivity index. The optional Controller Management Software can collectively analyze work data up to 10 controllers. In addition, work data can be output in CSV format for more detailed analysis.

Up to **8** tools connection!

×10 Units

Pokayoke
Type A B C

Reducing work mistakes with the assistance of tool features (Screw count errors, manufacturing errors, etc)

Verification Lamp
Screw fastening results can be checked visually by different colors indicated by the LED lamp.

OK

NOK

Count-complete

Setting mode

Stopwatch mode
(*Only for TypeC)

Equipped with count function to prevent forgotten fastened screws
The number of fastens is managed by the counter in the tool.

*count-up or count-down
*up to 99 fastens
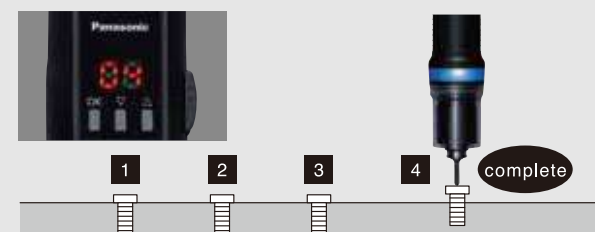
Example: When fastening 4 screws

1   2   3   4   complete

Sequence function for using multiple tools in specific orders
According the sequence process, only the right tool is powered on.

* Type A and B : set by WLAN controller
* Type C : set by PLC outside

Ex.: When using 3 tools

Product Assembly   Complete   Next Assembly

1st   2nd   3rd   1st

Tool 1   Tool 2   Tool 3   Tool 1   ・・・

0.5Nm   1Nm   1.5Nm   0.5Nm
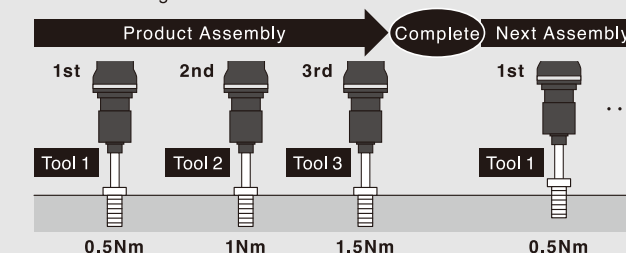
The right tool is indicated in green. When the wrong tool is operated, it will display red and will not be powered on.

Advanced fastening monitoring
Improve work quality by having control of the tool's rotation time and the threshold for the number of rotations when fastening screws. Work OK/NOK is displayed with LED colored lamps

Rotation time monitoring

Rotation count monitoring

OK   NOK   NOK
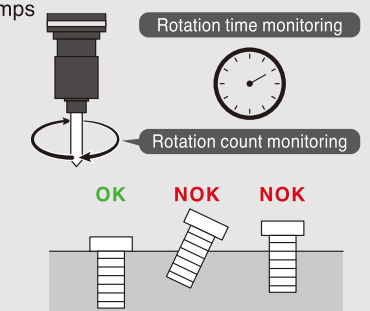
User-Friendly
Type A B C D

Working comfort / security

Start method

Push start   Lever start
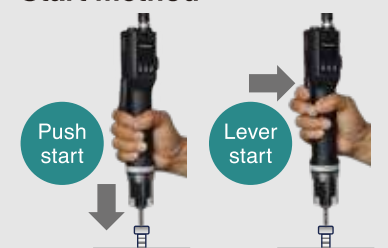
Choice of push or lever start mode.
Lever can be removed for push start mode.

Grip attachment

EYSXA102B
Convenience for horizontal or high torque fastening

Clutch cover

EYSXA101B
Minimizing tampering or accidental setting change

Mode setting button cover
(Available Summer 2024)

EYSXA103B
Double security with tool hanger and screw

Additional Convenience
Type A B C D

Provide 'mobility' to DC Electric Screwdriver
Free from AC power outlet by supplying stable 30V DC to Panasonic DC Electric Screwdriver.

Battery Pack Adaptor EYSZP002B

55mm
74mm
178mm

Earth grounding terminal

Convenience for tentative trial/trim/rework, frequent layout change, or long reach requirement for large size products

● Stable 30V DC supply

Output voltage from adaptor   **30V DC**

Boost up battery pack voltage to stable 30V DC

Battery pack voltage   18V DC   14.4V DC   10.8V DC

approx.
8,000 screws
EYADA212, M3 x 8,
18V 5Ah Battery Pack

Enough battery capacity

Less battery capacity

Red LED blinks and shuts off power supply before sharp voltage down
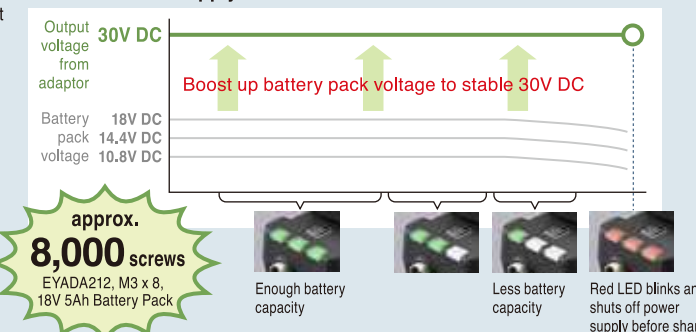
Maximum 8 tools simul taneous control capability

Wall Mounted | With controller stand

42mm

Diversity antenna

239mm

290mm

USB-A
Ethernet (Initial setting)
Ethernet (Network)
I/O

Buzzer
Power switch
AC adapter port

41mm | 150mm | 152mm

Note : EYARW1 is for dedicated use with Panasonic electric screwdriver, not for use with other Panasonic cordless models.
Distinguish EYARW1 and EYARW2 (for other cordless models) , see model number in rating plate, or presence of RS232C interface port on the right side of controller.

Various technologies for stable wireless communication

Recommended range | Recommended range

approx **16m** 2.4GHz | approx **10m** 5GHz

● **Support for both 2.4GHz and 5GHz frequency**
To avoid interference, the frequency can be selected according to the usage environment. There is also an auto channel function that automatically selects an empty channel.

● **High efficiency antenna design**
Stable communication performance is achieved by the highly efficient antenna design (average -5dBi) of the diversity antenna on the controller and the transmission module on the tool. Demonstrates high performance with various tool positions and directions.

● **Safety function in case of communication disconnection**
Work history data can be backed up in the tool and resent to the controller even when communication is temporarily disconnected, allowing work to continue.

● **High security**
Communication data is encrypted and protected by TLS.

Setting and viewing from a web browser

Tool/controller settings and work history data viewing can be done from a web browser. No software installation required on your PC.

By using the optional controller management software, data for up to 10 controllers (up to 80 tools) can be automatically collected and collectively managed.
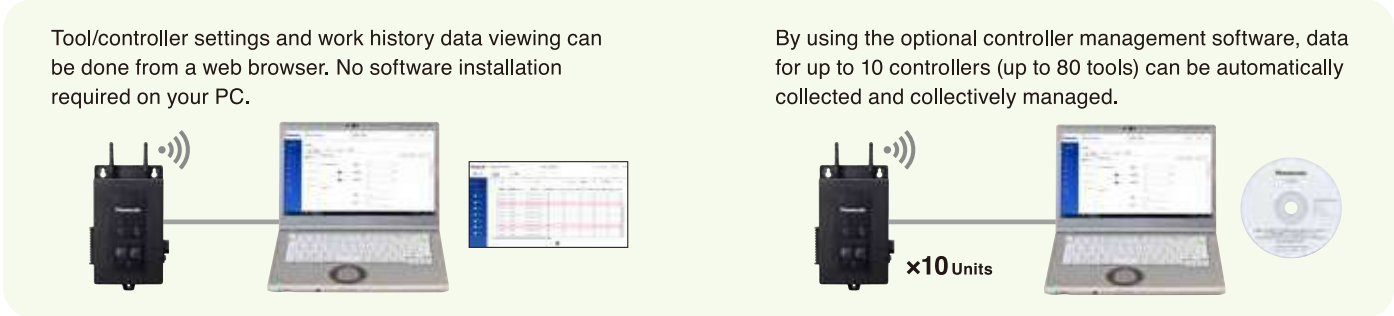
×10 Units

Maximum 8 tools simultaneous control

Simultaneously control the operations of up to 8 tools and collect work history data.

Up to **8** tools connection!

Various control of tools is possible without external equipment

Batch	Sequence
Continuous work with 1 tool	**Continuous work with multiple tools**

Ex. Multiple fastening works with multiple target torque

Product Assembly → Complete Next Product Assembly

1st | 2nd | 3rd | 1st

Tool 1 | Tool 2 | Tool 3 | Tool 1

0.5Nm | 1Nm | 1.5Nm | 0.5Nm

1 | 2 | 3 | 4 | complete

2.0Nm | 2.0Nm | 2.0Nm | 2.0Nm

Up to 5 batches can be registered for a tool

Up to 10 steps (batches) can be set for a sequence
Up to 5 sequences can be registered in a controller

<Optional Accessory>

Controller stand
WEYFRW1F7001

AC Power adaptor
EU: WEYFRW1K7751
UK: WEYFRW1K7851

Model	EYARW1
Communication data	• OK/NOK • Converted torque result • Forward/Reverse • Number of rotation • Fastening time
AC Power adaptor (sold separately)	Input: AC100-240V 50-60Hz Output: DC24V/1.0Ah
Communication method	WLAN (IEEE802.11a/b/g/n)
Frequency band	(European nations, Turkey, Malaysia, Indonesia, Thailand, India) 2.412-2.472GHz / 5.180-5.240GHz (United States, Canada, China) 2.412-2.462GHz / 5.180-5.240GHz
Channel	(European nations, Turkey, Malaysia, Indonesia, Thailand, India) 2.4GHz band: 1ch – 13ch / 5GHz band: 36,40,44,48ch (United States, Canada, China) 2.4GHz band: 1ch – 11ch / 5GHz band: 36,40,44,48Ch
Recommended range	2.4GHz band: *approx. 16m / 5GHz band: *approx. 10m
No. of connectable devices	Maximum 8 tools
Input/output terminal (I/O)	Input: 8 / Output: 8
Power consumption	approx. 30W
Dimensions (LxHxW)	approx. 239mm × approx. 150mm × approx. 41mm (Hight including antenna: approx. 281mm)
Weight	550g (Main body only)
Communication interface	• Ethernet × 2 • USB-A × 1
Communication protocol	–
Data storage	Approx. 200,000 history data
Optional accessory	• Controller stand • AC adapter
Compatible tools	EYADA212WA, EYADA212WB, EYADA218WA, EYADA218WB, EYADA407WA, EYADA407WB

* Communication range varies with operating environment.
The presence of metal walls, people, or other objects may result in decreased range.

Screwdriver Configuration

Type A B

- Screwdriver cord
- Hanging hook mounting hole
- Serial number plate
- Operation plate display
- Setting button
- Forward / lock / reverse switch
- Lever switch
  - * Lever can be removed for push start mode
  - * High torque type is for lever switch only
- Grip

WLAN Controller
* Controller is sold separately

- Verification LED
- Clutch (dial type)
- Clutch cover
- Chuck (hexagonal shaft, 6.35mm)
- * Bits are not included

Type C

- Communication cable (Only applicable for type C model)
  - *Communication cable is sold separately

Type D

Rated Specification <Screwdriver>

Type A	EYADA212WA	EYADA218WA	EYADA407WA
Type B	EYADA212WB	EYADA218WB	EYADA407WB
Type C	EYADA212XC	EYADA218XC	EYADA407XC
Type D	EYSDA212XD	EYSDA218XD	EYSDA407XD
Power supply	Power adaptor EYSZP001 (sold separately) Input : AC100-240V 50/60Hz Output : DC30V/3A		
Motor	Brushless motor (coreless type, DC30V)		
Chuck / Bit shank	One-touch bit lock system applicable bit (6.35 mm hexagonal shank, single head 9-13 mm, double head 12-17.5 mm)		
Start Method	Push start / Lever start (convertible)		
Torque setting range	Approx. 0.3-2.5Nm (*adjustable in 96 steps)	Approx. 0.3-2.0Nm (*adjustable in 96 steps)	Approx. 1.5-4.4Nm (*adjustable in 96 steps)
Recommended work	Small screw: M2.5 to M4.5	Small screw: M2.5 to M4	Small screw: M3.5 to M5
Rated rotation speed	1200 rpm	1800 rpm	650 rpm
Weight	Approx. 630g		
Size	Total length 271mm, grip diameter ø38mm		
Others	• Forward/reverse rotation switching • Brake ON/OFF setting (excl. Type D)		

Main Function Chart

	Type A	Type B	Type C	Type D
Notification	√ (Verification LED, buzzer)			√ (Verification LED)
Number count	√ (Count method setting, count return setting, ignore judgment setting, ignore count setting, count-complete judgment standby setting, count reset)			N/A
Judgment of screw fastening	√ (Upper / lower limit setting of rotation time and number of rotations)		√ (Upper / lower limit of rotation time)	N/A
	√ (Upper/lower limit setting of torque conversion value)	N/A	N/A	N/A
Screw fastening support	√ (Soft start setting, soft snug setting, prohibition of additional fastening setting)			N/A
	N/A		√ (Rotation automatic stop setting)	N/A
Sequence control	√ (WLAN Controller)		√ (PLC etc.)	N/A
Data communication	√ (Wireless / WLAN IEEE802.11a/b/g/n)		√ (Wired / Communication cable connection)	N/A

Rated Specifications <Battery Pack Adaptor>

Function	Battery level LED, Battery protection (dead battery lamp, high battery temperature indicator lamp), Auto-off function, Wall-mountable (bracket included)			
Power supply	Output DC 30V/3A, 1 terminal *for connection with screwdriver cord (EYSXC120B/130B)			
Size/Weight *	Length 178 x Height 55 x Width 74mm/440g (only main body)			
Height with applicable battery pack *	EYFB50 (18V 5Ah) 105mm	EYFB43 (14.4V 4Ah) 104mm	EYFB30 (10.8V 3Ah) 104mm	
	EY9L54 (18V 5Ah) 105mm	EY9L47 (14.4V 2Ah) 84mm	EYFB32 (10.8V 2Ah) 86mm	
	EY9L53 (18V 3Ah) 87mm	EYFB41 (14.4V 2Ah) 86mm		

Capacity reference* (with full charge)		212 series Machine screw M3×8	218 series Machine screw M3×8	407 series Machine screw M3×8	407 series Machine screw M5×8
	EYFB50	18V 5Ah	8,000 pcs	8,100 pcs	7,900 pcs	7,100 pcs
	EYFB30	10.8V 3Ah	2,800 pcs	2,900 pcs	2,800 pcs	2,600 pcs

√ : Available   * : Numbers are approx.