

- ENCODER
- SWITCH
- POTENTIOMETER



■ Company profile

- **Founded in 1996**
- **Employees:706**
- **Factory area:** Plant 1# 12400 square meters/ Plant 2# 5200 square meters
- **System certification:** ISO9001、ISO/TS16949、ISO14001
- **Quality guideline:** Participation, Regulation, Performance, Superiority
- **Enviromental policy:** Energy saving, Environmental protection, Observing laws and regulations, Pollution Prevention

■ Product Type

- Encoders, Switches, Potentiometers
- Precise hardware, plastic part, die-casting accessories
- Glass-to-Metal Seals
- Ceramic-to-Metal Seals

■ Application

- Auto audio, Interphone, Instrument
- Multimedia audio, Home appliances, Medical equipments
- Communication equipment, Intelligent toy, Computer peripherals
- Smart home, Mechanical equipment, Bullet train
- Sensors

■ Core competitiveness

- Experienced R&D team
- Independent Automated Design and making
- Tooling Design and Making Team
- Self-manufactured for hardware,Plastic parts and die-casting accessories.



- Meet customized design
- Good quality
- High cost performance
- Perfect service
- Stable lead time

■ Corporate culture

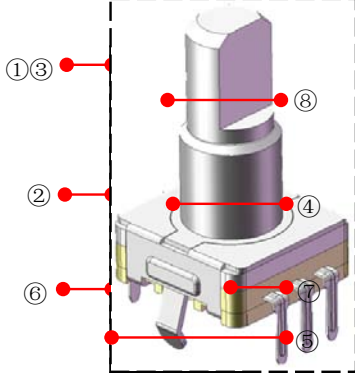
- **Corporate vision:** Make profit for customer,employee,and society
- **Core values:** Intergrity, Team-work, Responsibility, Inplementation.
- **Mission:** To stand on LJV brand, To follow the path of virtue and let customers get used to choose LJV brand.
- **Work style:** Think, decide and do it.

Explanation of Part Number

Encoder explanation

RE 11 03 E C 1-H01-XXXX

①Product code ②Dimension ③Structure ④Bushing type ⑤Bracket code ⑥Rear cover ⑦Terminal type ⑧Serial number

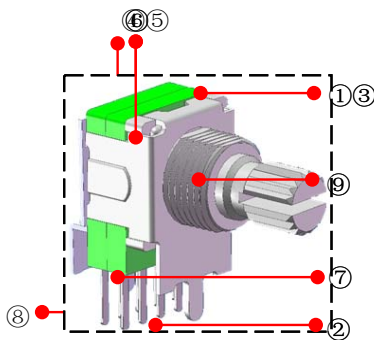


- ①Product code: RE-Rotary Encoder
- ②Outline Dimension: 8mm, 9mm, 10mm, 11mm, 12mm, 16mm, 18mm, 25mm, 28mm, 35mm etc.
- ③Structure: 01-thick type with push switch; 02-thin type without push switch; 03-thin type with push switch
- ④Bushing type: E-5mm long; F-7mm long; J-9mm long.....
- ⑤Bracket coder:A-2.5mm with 12.9mm space; B-2.5mm with 12.9mm space; C,D.....
- ⑥Rear cover: 1-rear cover without fixed leg; 2-with small fixed leg;3,4.....
- ⑦Terminal type: H-Pin horizontal/shaft is parallel to terminal; V-pin Vertical/shaft is vertical to terminal.
- ⑧Serial number: Including pulse, detent, shaft model etc.

Rotary switch explanation

RS 12 02 P2 S4 A A-V01-XXX

①Product code ②Dimension ③Structure ④Pole ⑤Position ⑥Bushing type ⑦Bracket code ⑧Terminal type ⑨Serial

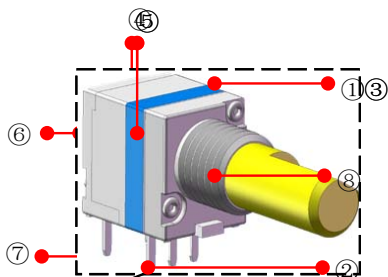


- ①Product code: RS-Rotary switch; PS-tact switch
- ②Outline Dimension: 06mm, 11mm, 12mm, 17mm
- ③Structure: 02-two channels; 03-three channels; 04-four channels.....
- ④Pole: P1-one pole; P2-two poles; P3, P4.....
- ⑤Position: S1-1 position; S2-2 position; S3,S4.....
- ⑥Busing type: A-5mm long; B-8mm long; X-no bushing etc.
- ⑦Bracket code: A-5mm; B=7mm; X=no bracket
- ⑧Terminal type: H-Pin horizontal/shaft is parallel to terminal; V-pin Vertical/shaft is vertical to terminal.
- ⑨Serial number: Including pulse, shaft model etc.

Potentiometer explanation

RP 08 110 SN A X -V01-XXXX

①Product code ②Dimension ③Structure ④Circuit coder ⑤Bushing type ⑥Bracket code ⑦Terminal type ⑧Serial n



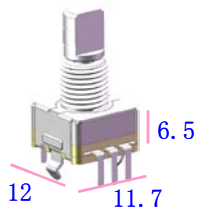

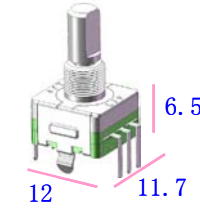

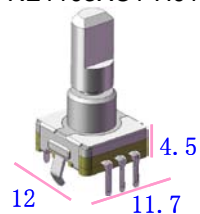

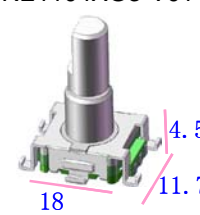

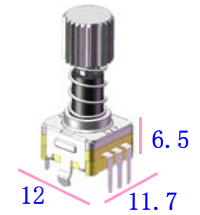

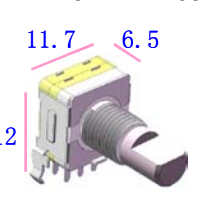

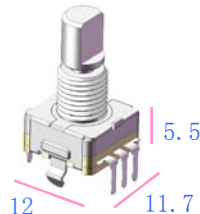

- ①Product code: Rotary potentiometer
- ②Outline Dimension: 08mm, 9mm, 11mm, 12mm, 14mm, 15mm, 16mm
- ③Structure: 110-single-unit, 120-dual unit
- ④Circuit coder: SN-single-unit with rotary switch; NO-single-unit without rotary switch; SG, GO.....
- ⑤Bushing type: A-5mm; E-7mm
- ⑥Bracket code: X-no bracket
- ⑦Terminal type: H-Pin horizontal/shaft is parallel to terminal; V-pin Vertical/shaft is vertical to terminal.
- ⑧Serial number: Including pulse, detent, shaft model etc.

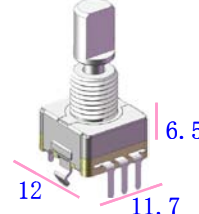

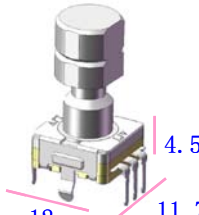

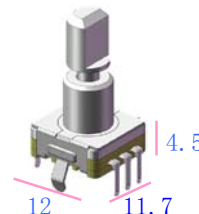

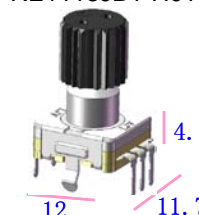

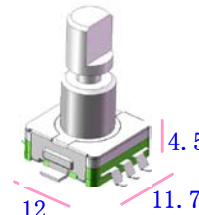

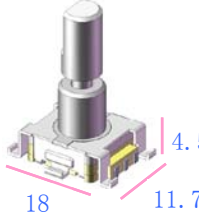



Icon Key

DVD	Persona Audio	Professional Walkie Audio	Health Care	Robot & Industrial machines	Meter	Home appliances	Navigation systems, Car AV	Automobiles

To lead green environmental protection and for detailed product information, go to: WWW.LJV.CN

Encoder---RE11

Series	Specification	Application
RE1101XB1-H01 	.Feature: 6.5mm thick type with screw bushing .Output: Incremental type .Pulse/detent: 9/18,15/30, 20/20 .Push on switch: with/without .Push life: 20000/50000 cycles .Rotational life: 30000 cycles	
RE1101MD1-H01 	.Feature: IP67 rating and heavy rotational torque .Output: Incremental type .Pulse/detent: 8/16 .Push switch: with/without .Push life: 20000/50000 cycles .Rotation life:15000/30000 cycles	
RE1103XC1-H01 	.Feature: 4.5mm thin type w/o screw bushing .Output: incremental type .Pulse/detent: 9/18,15/30, 20/20,15/0,20/0 .Push switch: with/without .Push life: 20000/50000 cycles .Rotation life: 30000 cycles	
RE1104XG3-V01 	.Feature: 4.5mm thin type with SMT .Output: incremental type .Pulse/detent: 9/18,15/30, 20/20 .Push switch: with/without .Push life: 20000/50000 cycles .Rotation life: 30000cycles	
RE1105GB1-H01 	.Feature: Push-lock mechanism .Output: Incremental type .Pulse/detent:15/30 .Push switch: with .Push life:20000 cycles .Rotation life: 30000 cycles	
RE1107XM1-V03 	.Feature: vertical pins with IP67 rating .Output: incremental type .Pulse/detent:9/18,15/30, 20/20 .Push switch: with/without .Push life: 20000 cycles .Rotation life: 15000/30000 cycles .IP rating: IP67	
RE1109XE1-H01 	.Feature: 5.5mm thick type with screw bushing .Output: incremental type .Pulse/detent: 9/18,15/30, 20/20 .Push switch: with/without .Push life: 20000/50000cycles .Rotation life: 30000 cycles	

Series	Specification	Application
RE1111XB1-H01 	.Feature: 6.5mm thick type with long travel and good feeling. Output: Incremental type. .Pulse/detent: 9/18,15/30, 20/20 .Push on switch:1.5mm travel .Push life: 20000 cycles .Rotation life: 30000 cycles	
RE1113JA1-H01 	.Feature: Europe safety structure, minimized shaft wobble type and good feeling. .Output: Incremental type .Pulse/detent: 9/18,15/30, 20/20,15/0, 20/0 .Push life: 20000 cycles .Rotation life: 30000 cycles	
RE1113XC1-H01 	.Feature: thin type with long travel (1.5mm) and good feeling. .Output: incremental type .Pulse/detent:9/18,15/30, 20/20,15/0,20/0 .Push life:20000 cycles .Rotation life: 30000 cycles	
RE1113JB1-H01 	.Feature: thin type with minimized shaft wobble type and good feeling. .Output: Incremental type .Pulse/detent: 9/18,15/30, 20/20 .Push life: 20000cycles .Rotation life: 30000 cycles	
RE1113XF2-V01 	.Feature: thin type with long travel and good feeling. .Output: incremental type .Pulse/detent: 9/18,15/30, 20/20 .Push switch: with/without .Push life: 20000 cycles .Rotation life: 30000 cycles	
RE1113XG3-V01 	.Feature: thin type,long travel push switch and SMT type .Output:incremental type .Pulse/detent: 9/18,15/30, 20/20 .Push switch: 1.5mm long travel .Push life: 20000 cycles .Rotation life: 30000 cycles	
RE1121AB1-H01 	.Feature: dual shaft with long bushing .Output: incremental type .Pulse/detent: 9/18,15/30, 20/20,15/0,20/0 .Push switch: with/without .Push life: 20000/50000 cycles .Rotation life: 30000 cycles	

Encoder---RE12/RE16/RE25/RE28/RE35/RE08

Series	Specification	Application
RE1201XE1-H01 	.Feature: Horizontal pins with through hole .Output: incremental type .Pulse/detent: 12/12,12/24, 24/24,12/0,24/0 .Push switch: with/without .Push life: 20000 cycles .Rotation life: 30000 cycles	
RE1201XI2-V01 	.Feature: hand soldering with surface mounting .Output: incremental type .Pulse/detent: 12/12,12/24, 24/24,12/0,24/0 .Push switch: with/without .Push life: 20000 cycles .Rotation life: 30000 cycles	
RE1201XH1-V02 	.Feature: PC pin vertical/down facing .Output: incremental type .Pulse/detent: 12/12,12/24, 24/24,12/0,24/0 .Push switch: with/without .Push life: 20000 cycles .Rotation life: 30000 cycles	
RE1203XC1-H01 	.Feature: screw bushing,metal shaft with minimized shaft wobble .Output: incremental type .Pulse/detent:12/12,12/24, 24/24,12/0,24/0 .Push switch: with/without .Push life, 20000 cycles .Rotation life: 30000 cycles	
RE1600XA1-H01 	.Feature:Horizontal pins with through hole .Output: incremental type .Pulse/detent: 12/12,12/24, 24/24 .Push switch: with/without .Push life: 30000 cycles .Rotation life: 30000 cycles	
RE1601XB1-H01 	.Feature: metal shaft, horizontal pins with through hole .Output: incremental type .Pulse/detent: 12/12,12/24, 24/24 .Push switch: with/without .Push life: 30000 cycles .Rotation life: 30000 cycles	
RE1800XX1-H01 	.Feature: IP67 rating, 6 pins and heavy rotational torque .Output: incremental type .Pulse/detent:10/10,12/12, 16/16, 20/20, 24/24 .Push switch: without .Rotation life: 15000/30000 cycles	

Series	Specification	Application
RE2500XA-H01 	.Feature: hollow shaft with detent .Output: incremental type .Pulse/detent: 10/10,10/20 .Rotaton life: 30000 cycles	
RE2800XA-H01 	.Feature: hollow shaft with minimized shaft wobble .Output: incremental type .Pulse/detent: 9/18,15/30 .Rotation life: 30000 cycles	
RE2801XB-H01 	.Feature: thin type, hollow shaft with minimized shaft wobble .Output: incremental type .Pulse/detent:15/30 .Rotation life: 30000 cycles	
RE3500XA-H01 	.Feature: thin type, hollow shaft with minimized shaft wobble .Output: incremental type .Pulse/detent:16/32 .Rotation life: 30000 cycles	
RE3501XB-H01 	.Feature:thin type, hollow shaft with minimized shaft wobble .Output: ABC switch .Pulse/detent: 10xABC/30 .Rotation life: 30000 cycles	
RE08110XX-V01 	.Feature: 8mm size with single-unit .Output: incremental type .Pulse/detent:10/20 .Rotation life: 15000/30000 cycles .IP rating: IP67	
RE08120XX-V01 	.Feature: 8mm size with dual-unit .Output: absolute .Pulse/detent: 16/16 .Rotation life: 15000/30000 cycles .IP rating: IP67	

Encoder---RE08/RE09/RE10

Series	Specification	Application
RE08115XX-V01 	.Feature:8mm size with push on switch .Output: incremental type .Pulse/detent:10/20 .Push life: 20000 cycles .Rotation life: 15000/30000 cycles .IP rating: IP67	
RE08140XX-V02 	.Feature: 8mm size with four-unit .Output: absolute .Pulse/detent:16/16 .Rotation life: 15000/30000 cycles .IP rating: IP67	
REP08120XX-V02 	.Feature: dual-shaft, encoder with potentiometer; IP67 rating .Output: Incremental-outside shaft, resistance-inside shaft .Pulse/detent: 10/20 for outside shaft .Push switch: with/without .Rotation life: 15000/30000 cycles	
RE09101XA-H01 	.Feature: Horizontal pins with push on switch; IP67 rating .Output: incremental type .Pulse/detent: 10/20 .Push switch: with/without Push life: 20000 cycles .Rotation life: 15000/30000 cycles	
RE09101XB-V01 	.Feature: PC pin vertical/down facing with push switch .Output: incremental type .Pulse/detent: 10/20 .Push life: 20000 cycles .Rotation life:15000/30000 cycles .IP rating: IP67	
RE1002BA-V01 	.Feature: high rotational torque .Output: absolute/incremental .Pulse/detent: 3/3, 4/4, 16/16, 9/18 .Rotational angle: 18°,20° .Rotation life: 15000/30000 cycles .IP rating: IP67	
RP08110SNAX-V01 	.Feature: 8mm size with rotational switch .Max. operating voltage: 50V AC 10V DC .Rotational angle: 300±5° .Rotation life: 15000/30000 cycles .IP rating: IP67	

Potentiometer---RP08/RP09/RP11/RP12/RP15

Series	Specification	Application
RP08120GOXX-V01 	.Feature:8mm size with dual-unit .Max. operating voltage: 50V AC 10V DC .Rotational angle: 300±5° .Rotation life:15000/30000 cycles .IP rating: IP67	
RP09110NOXX-H01 	.Feature: horizontal pins .Max. operating voltage: 50V AC 10V DC .Rotational angle: 300±5° .Push/rotational switch: with/without .Rotation life:15000/30000 cycles	
RP09110SGXX-V01 	.Feature: PC pin vertical/down facing .Max. operating voltage: 50V AC 20V DC .Rotational switch: with/without .Rotational angle: 300±5° .Rotation life: 15,000 cycles .IP rating: IP67	
RP09110GPLX-V01 	.Feature: Push-lock mechanism .Max. operating voltage: 50V AC 20V DC .Push-lock mechanism without detent .Rotational angle: 300±5° .Rotation life: 10000 cycles	
RP1100GOXX-H01 	.Feature:11mm size .Terminal: horizontal/vertical .Max. operating voltage: 50V AC 20V DC .Rotational angle: 300±5° .Rotation life: 10000 cycles	
RP1231SGXX-VX 	.Feature:12mm size with rotational switch .Max. operating voltage: 50V AC 20V DC .Rotational angle:300±5° .Rotation life:10000 cycles	
RP1500XA1-H01 	.Feature: span type potentiometer .Max. operating voltage: 250V AC 125V DC .Rotational angle: 265±5° .Rotation life: 10000 cycles	

Self-return/multi-position---RS11/RS12/RS17

Series	Specification	Application
RS1111XC1-H01 	.Feature:self-return switch and minimized shaft wobble .Output: self-return from left 45° to right45° .Push switch: with/without .Push life: 20000 cycles .Rotation life:15000 cycles	
RS1111XC1-H01 	.Feature: self-return .Output: self-return from left 45° to right45° .Push switch: with/without .Push life: 20000 cycles .Rotation life:15000 cycles	
RS1202P2SXAB-V02 	.Feature: high rotational torque .Output: multi-position switch .Poles/position:1/6,2/6, 3/6,4/6 .Rated power: 0.3A 16V DC .Rotational angle: 30±3° .Rotation life: 10000 cycles	
RS1700P1SXCA-H01 	.Feature:high rotational torque .Output: multi-position switch .Poles/position:1/2-8, 2/2-8 .Rated power: 0.3A 16V DC .Rotational angle: 30±3°/60±3° .Rotation life: 10000 cycles	

Tact Switch---PS06

Series	Specification	Application
PS0601P1S1XX-V01 	.Feature: soft feeling typ with SMT .Operating force: 1.57N,2.45N, 2.94N .Push life: 100000 cycles .Travel: 1.3mm .Operating resistance: 50mΩ Max.	
PS0602P1S1XX-V01 	.Feature: soft feeling typ with SMT .Operating force:1.57N .Push life:100000 cycles .Travel: 1.0mm .Operating resistance: 50mΩ Max.	
PS0603P1S1XX-V03 	.Feature: surface mounted .Operating force: 2.5N .Push life: 50000 cycles .Travel: 0.3mm .Operating resistance: 50mΩ Max.	
PS0603P1S1XX-V02 	.Feature: SMT type with bracket .Operating force: 2.5N .Push life: 50000 cycles .Travel: 0.3mm .Operating resistance: 50mΩ Max.	

Metal stamping and plastic injection parts

Metal stamping parts 	Metal stamping parts 	Plastic cover hardware
Plastic parts 	Plastic parts 	Plastic cover hardware
Die-casting parts 	Die-casting parts 	Plastic cover hardware

Precision sealing products

A10 tube cap 	T03 tube holdert 	T0 tube cap
Black Porcelain tube 	UM base 	T039
Relay base 	3627 base 	Protector base



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