

CONTROLLER RD-E398



Product Specification

CONTROLLER RD-E398

Product characteristics

- The RD-E398 can control 1-4 sets of electric push rods, which can be synchronized with different circuit boards.



Product characteristics

- Working voltage: 100-240V AC, 50HZ
- Output voltage: 29V DC
- Power: 100/150W
- Protection grade: IP54
- Power indicator: Yes
- Push rod interface: maximum 4 channels, 4-pin motor direct plug
- Manual controller interface: 1 channel, 8-pin direct plug
or 1 channel, 10-pin direct plug
- Standby power consumption: up to 1W (230V)
- Control concept: relay, service life more than 20000 cycles
- Working duty cycle: 2/18min @ 25 °C; On/off continuous use
- Push rod compatibility: Regular push rod
With feedback push rod (with hall/reed tube)
Column (with microswitch inside)
- Maximum current: 10A in total for all channels
- Weight: about 0.5kg
- Operation: synchronous drive (with feedback/without feedback (optional))
- Battery management: the battery power can be turned off at low voltage,
and there is charge and discharge management inside the battery
- Power management: voltage management can ensure maximum power operation and limit maximum output power
- Safety system: switching power supply thermal protection, over-current protection
- Installation: compatible with push rod with special installation connection; Bed frame (through screws)

Use

- Duty cycle: 10%; Use it continuously for 2 minutes and rest for 18 minutes
- Operating temperature: 5-40 °C
- Storage temperature: - 5-45 °C
- Relative humidity: 20% - 90% at 30 °C, non condensing
- Atmospheric pressure: 700-1060 hPa
- Altitude: up to 2000m

Authentication

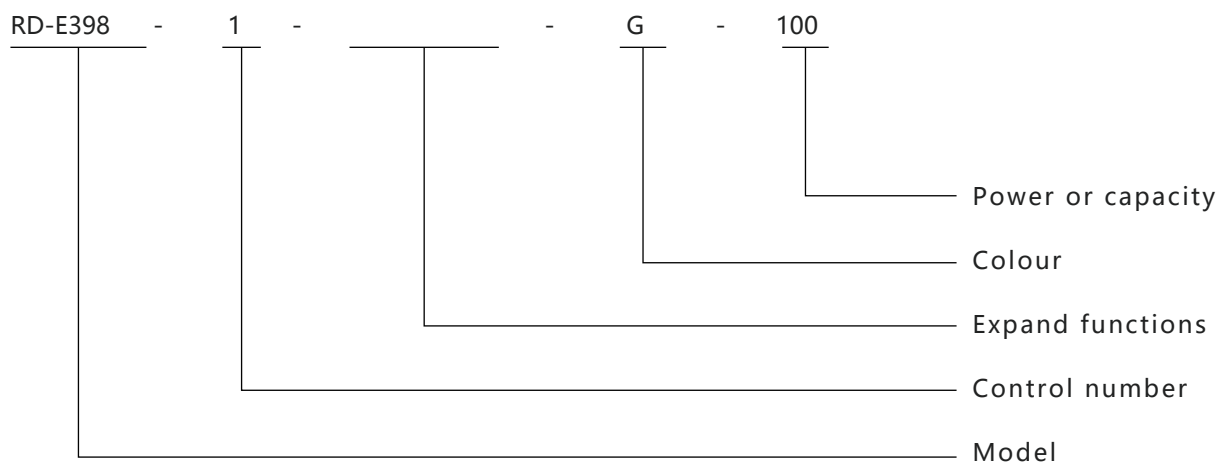
- EN60601-1/EN60601-1-2& ROHS2.0

Example Naming Rules

Model	RD-E398	
Control number	1	1=1channel 3=3channels 2=2channels 4=4channels
Expand functions	FDRS	A=Massage C=Battery D=Light strip (standard 150W) F=Reset J=Memory K=Power on L=Linkage R=Heating (standard 150W) S=Locking T=Emergency stop Y=Voice Z=Vibration 0=No function
Colour	G	G=Grey B=Black
Power or capacity	100	100=100W 150=150W

RD-E398 - **1** - **FDRS** - **G** - **100**

示 例

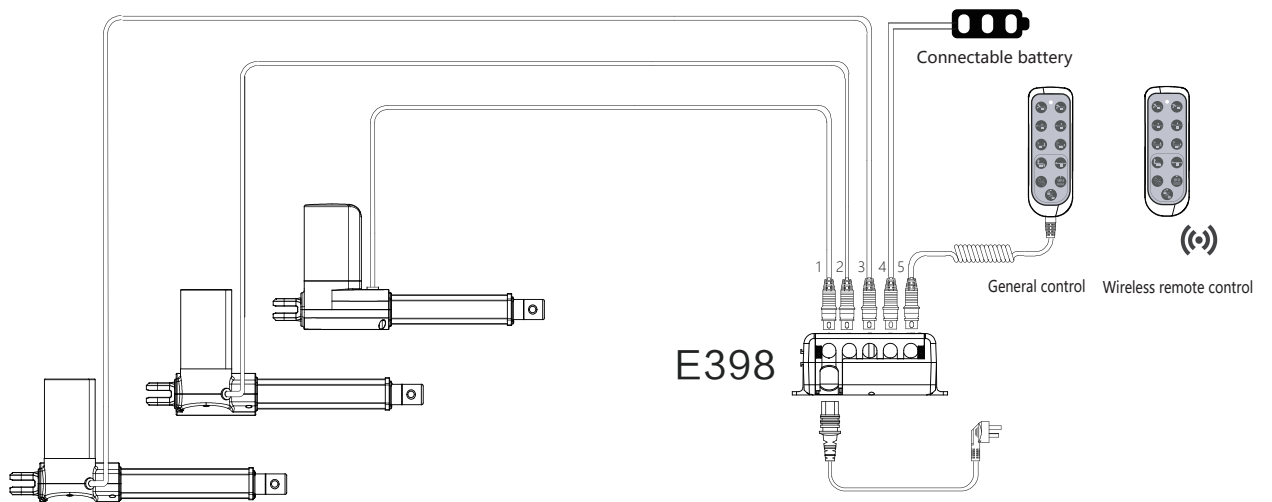
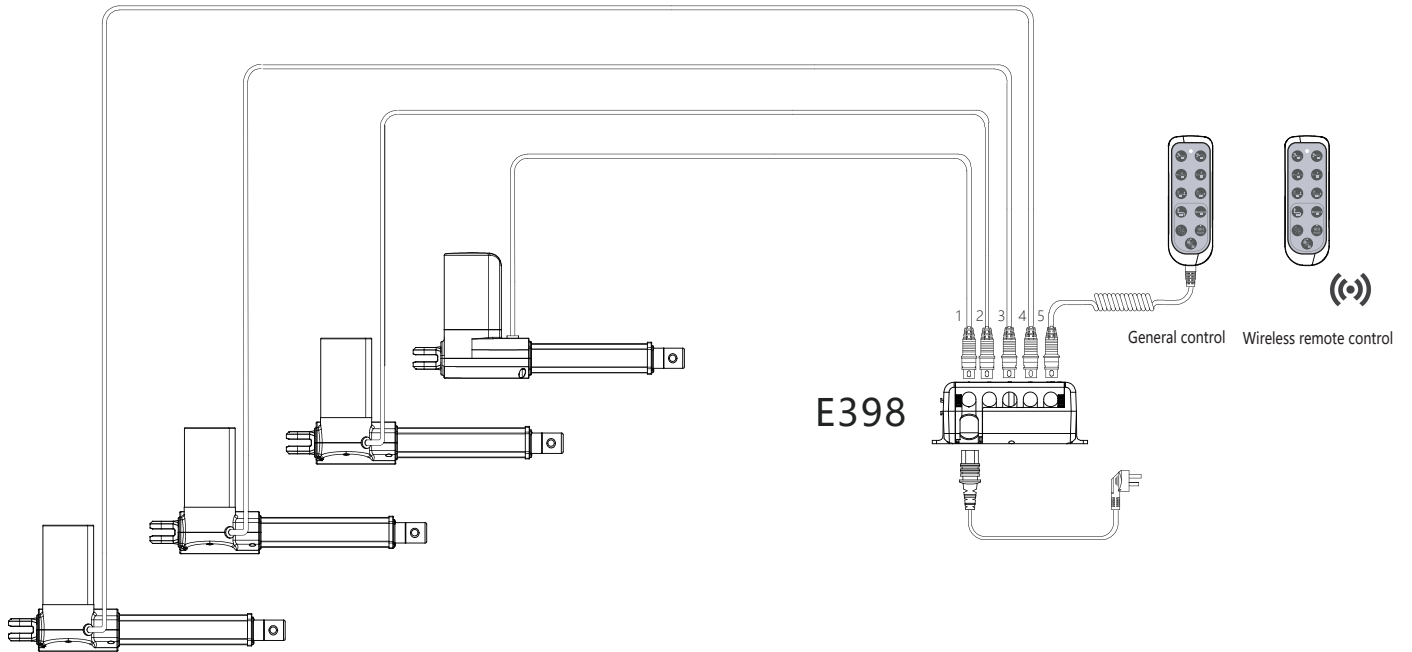


Operation mode:

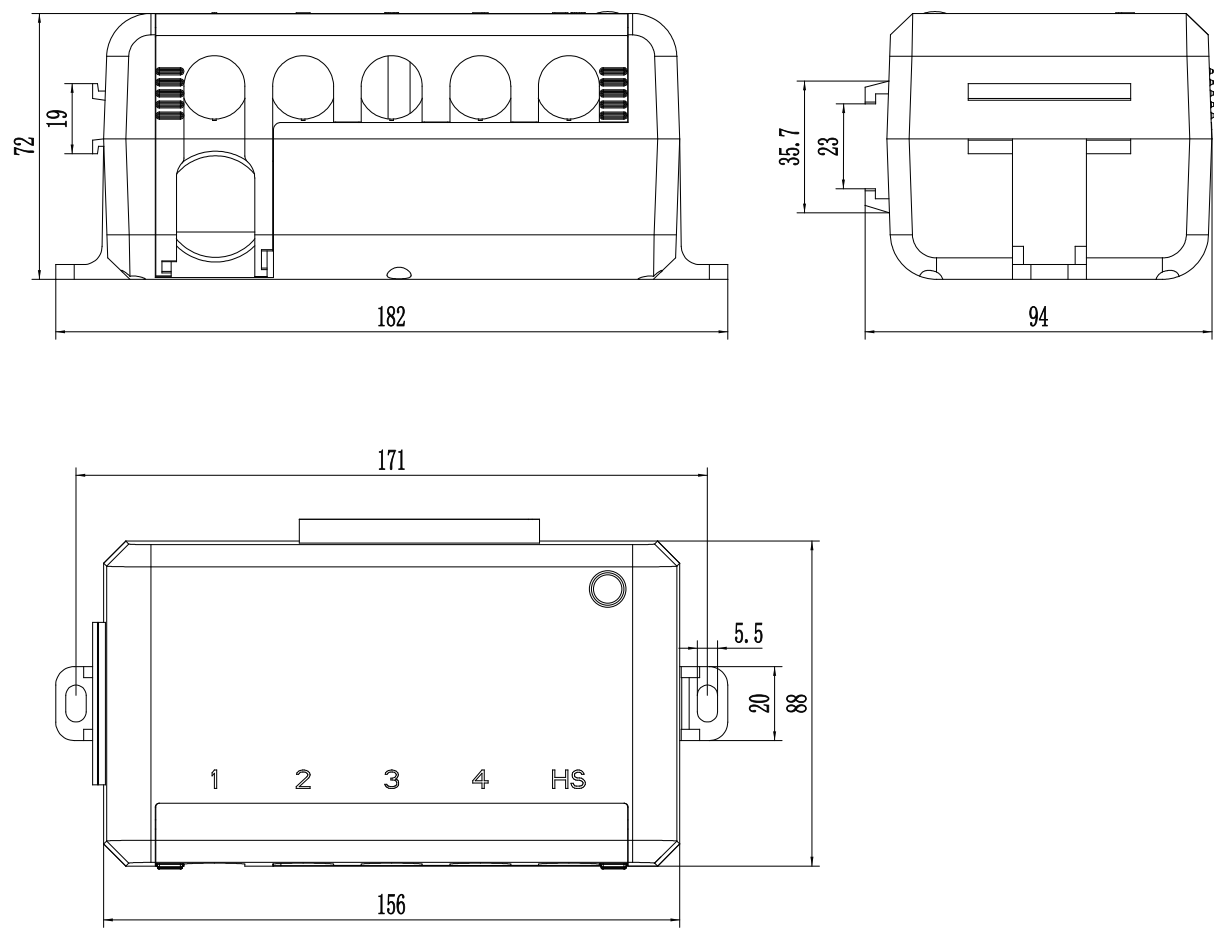
1. Manual control
2. Foot control
3. Manual control+foot control (quantity optional)
4. Wireless remote control

(For details, please contact Runda)

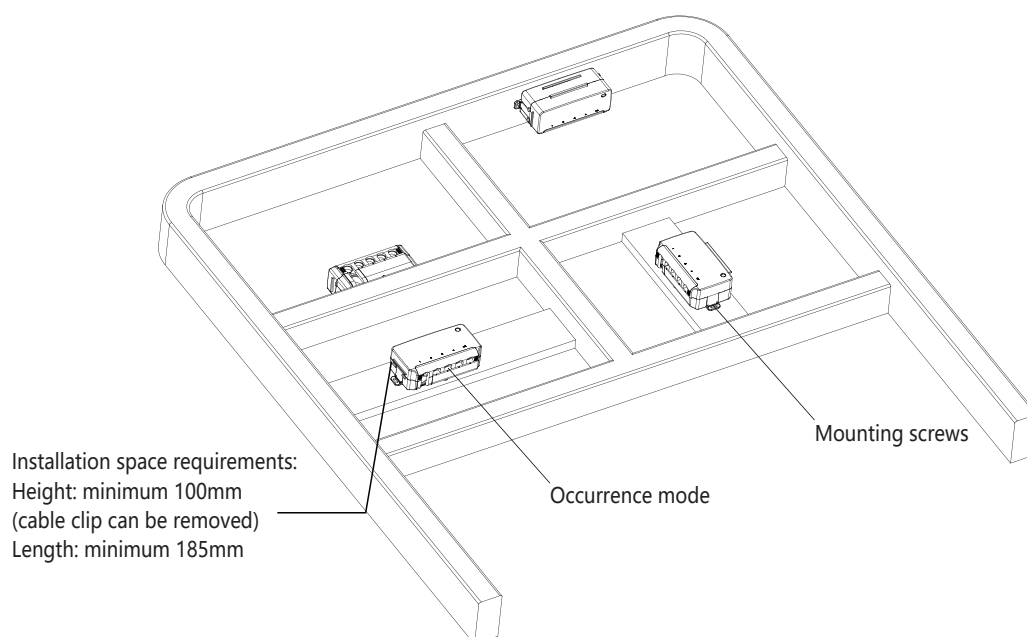
RD-E398 - System Overview



Outline dimension drawing



RD-E398 mounted on the frame



It is recommended that the RD-E398 be installed where it can drain.

Recommended torque: 0.6Nm+/- 0.1

You can install the controller on the bed frame or any other application by following one of the following installation procedures:

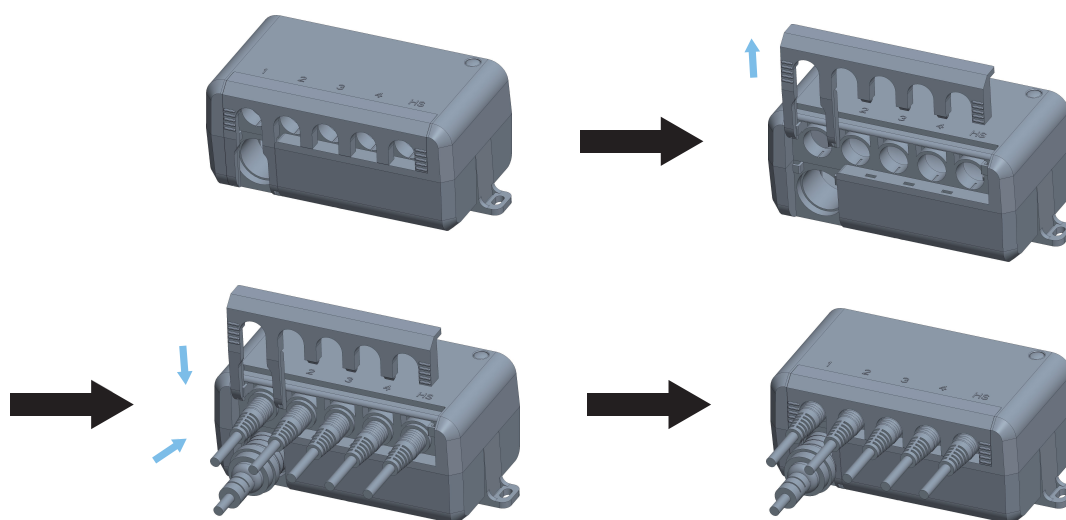
- 1) Place the M5 nut on the exposed hole of the mounting block, and fix the mounting block with M5 bolt from the rear side.
- 2) Fix the mounting block with M5 machine screws with flat washers (install a nut on the back of the mounting block)
- 3) Fix the mounting block to the frame with tapping screws.

Cable locking and management:

Push rod cable locking

The controller RD-E398 comes with a cable line card of unique design. When the cable clip is closed, it is equivalent to an integrated pushrod cable lock.

1. Install the cable plug into the control box
2. Close the cable clip until the clip is in place (see arrow)



LED indication:

The RD-E398 has a green LED power indicator.

The LED lights up (green) when RD-E398 is successfully connected to the main power grid. In other cases, the LED is off.

Service conditions:

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