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CRD DEVICES

Control Box

CIS3

Features

- CIS3 is designed for use of industrial application. It can drive 2 actuators synchronously with potentiometer positioning feedback.
- Main applications：industrial automation
- Input voltage：24V DC
- Output voltage：24V DC
- Max. current：10A @ 24V
- Overload protection current：13A (each actuator independently)
- Max. number of actuators this control box can drive：2
- Duty cycle：10% or 2 min continuous operation in 20 min.
- Color：Pantone 431C
- Memory function

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Options

◆ Software limit protection

With software limit：After learning procedure, the moving extension tube will be stopped by software control before it reaches both ends of its stroke. The total stroke will reduce about 8~10% in summary from both ends. It varies depending on different stroke spec.

Without software limit：At both ends of stroke, actuators stop when they reach the internal limit switch.

Compatibility

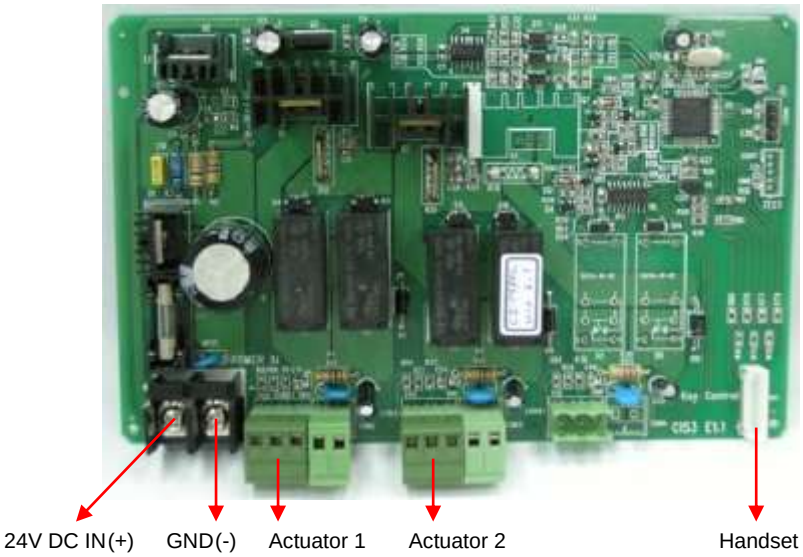
1. **Handset**

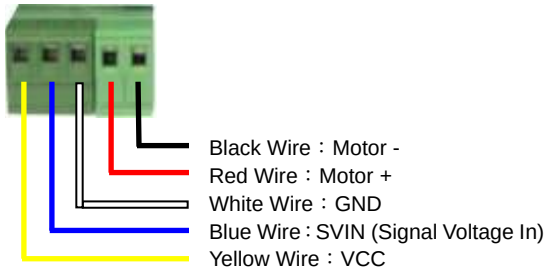
   HM6R

2. **Actuator**

   ID10 (equipped with Potentiometer positioning feedback)

Actuator Wiring Diagram

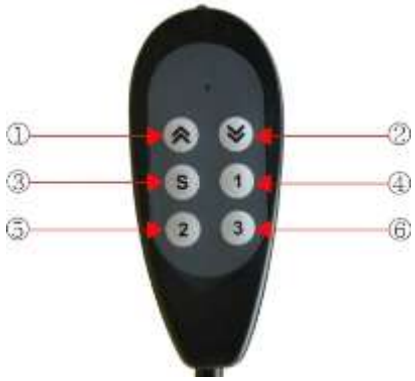




Operational Function

HM6R handset function definition:

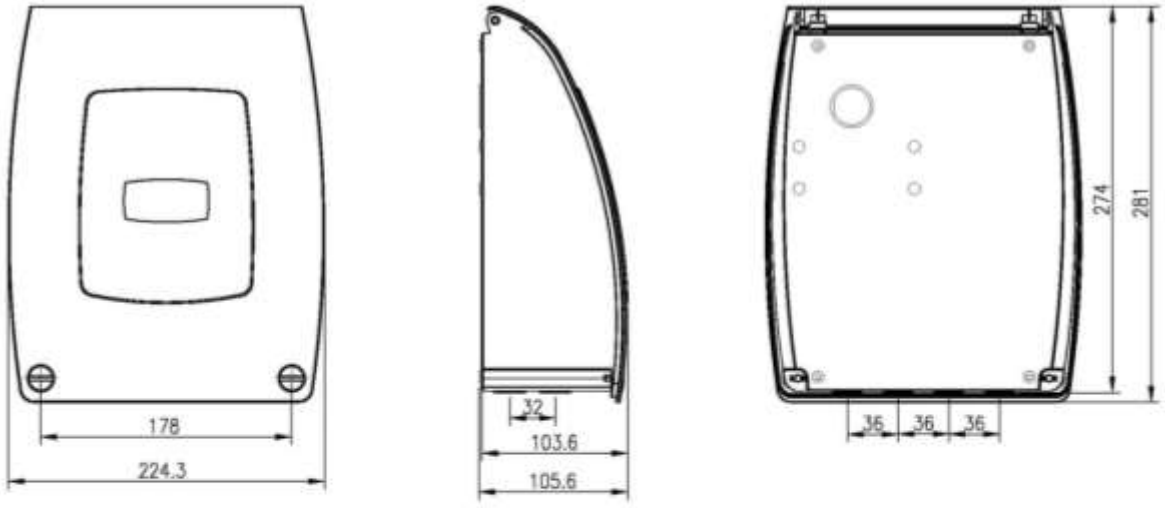
①. Extend 2 actuators synchronously.
②. Retract 2 actuators synchronously.
③. Press button S for 2 seconds until LED indicator flashes slowly, then press button 1, 2 or 3 to store the positions. The LED flashes quickly which means the position was stored.
④. Drive both actuators toward stored position1.
⑤. Drive both actuators toward stored position2.
⑥. Drive both actuators toward stored position3.

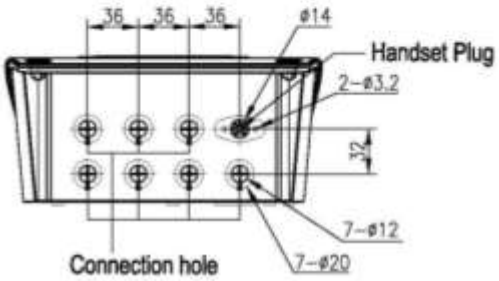


Standard HM6R handset PIN definition:

1 = Actuator extends
2 = Actuator retracts
3 = Store function
4 = Memory position 1
5 = Memory position 2
6 = Memory position 3
7 = VCC

Dimension





Unit: mm

Ordering Key