

CD2 type Electric Actuator Specifications

FEATURE

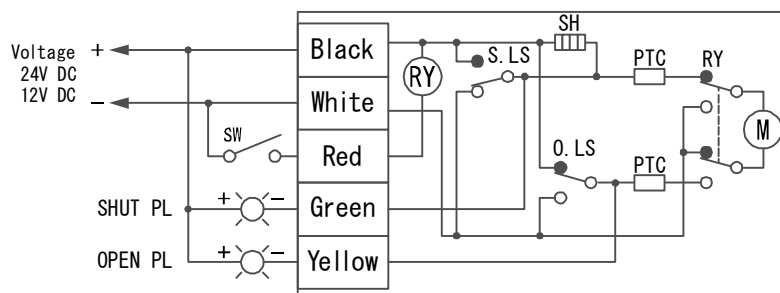
A light weight and economical electric actuator for DC power supply.

SPECIFICATION

| | | |
|--------------------------------|--|--|
| Actuator type (□:Voltage code) | CD2-030-□ | CD2-070-0 |
| Voltage | 24 V DC \pm 20% (Code: 0) 12 V DC \pm 20% (Code: 4) Cannot use a half or full-wave power supply. | |
| Rated torque [N·m] | 3 | 7 |
| Operation time [s] | 1.5 to 3 | 2 to 3 |
| Power consumption [VA] | In motion (Max) 10 Not in motion SHUT 0.25 OPEN 0.5 | In motion (Max) 24 Not in motion SHUT 0.25 OPEN 0.55 |
| Motor | DC motor | |
| Overload protection | Thermistor | |
| Method of operation | a-contact input type, with built-in relay | |
| Operation | SW is OFF \rightarrow SHUT (SHUT PL is lit.) SW is ON \rightarrow OPEN (OPEN PL is lit.) | |
| Input signal current | 19 mA 24 V DC / 35 mA 12 V DC | 22 mA 24 V DC |
| Output signal rating | Resistance load 1 A Micro load 2 mA | |
| Duty cycle | 20 % 15 min | |
| Ambient temperature | -20 to 50 °C | |
| Space heater | 0.5 W | |
| Manual operation | Direct operation | Direct operation (with clutch button) |
| Enclosure | Equivalent to IP65 (IEC 60529) | |
| Housing material | Polycarbonate resin (Brack) | |
| Conduct port | Flexible cable 5 leads 0.5 mm ² L=500 mm | |

3 way valve: SHUT / Position①, OPEN / Position②.

WIRING



SW : Switch
 S. LS : SHUT Limit switch
 O. LS : OPEN Limit switch
 M : Motor
 SHUT PL : SHUT pilot lamp
 OPEN PL : OPEN pilot lamp
 PTC : Thermistor
 SH : Space heater
 RY : Operation relay

Flexible cable of the actuator has 5 lead wires colored in Black, White, Red, Green, and Yellow. Check that power supply voltage is correct and connect wires as shown in the wiring diagram.

- Note)
- Two or more actuators can be operated with one control switch.
 - When using control switch with current leakage (more than 1 mA) such as TRIAC or relay with CR, it can cause malfunction.
 - For manual operation on CD2-070, press the clutch button while operating it.