

11-2

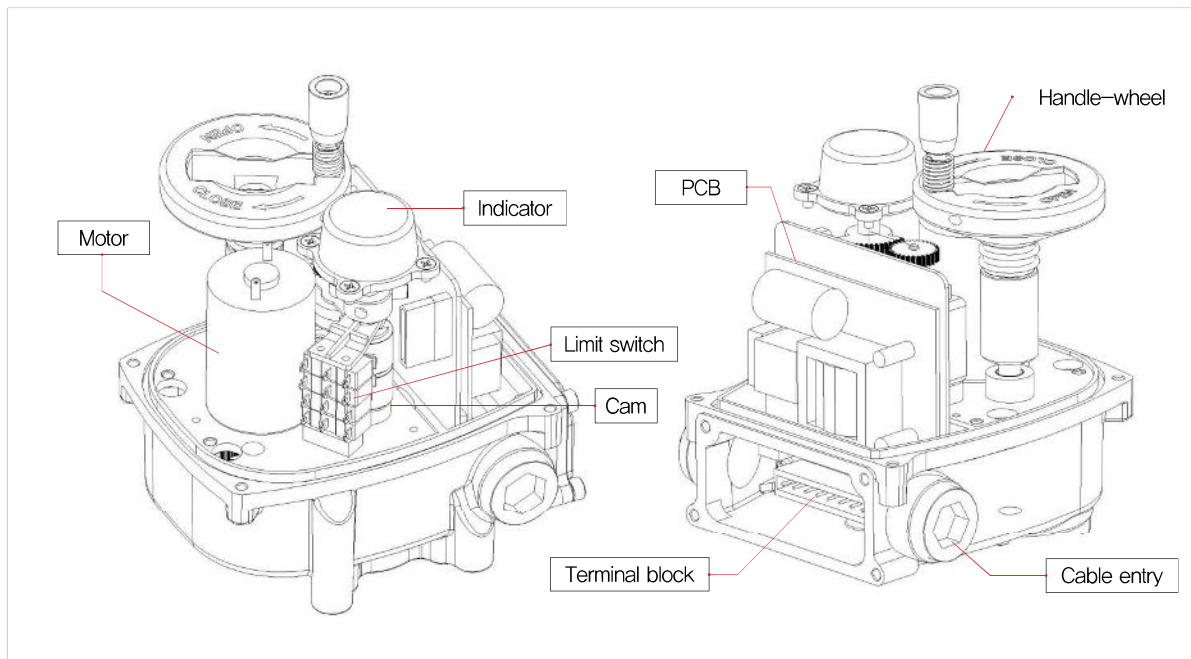
Quater-turn actuator GQ-04N



Features

- Compact & Durable Structure · Compact
- Weather-proof type(IP67) against water or dust
- Easy and simple manual operation with hand-wheel
- Quick & Safe connecting : Plug-In Wire connector
- Flexible Mounting Base : ISO5211, F05/07 with 14mm Double Square

Construction



Performance

Model	Output Torque		Operating Time 50/60Hz	Supplying Power (50/60Hz, 1 phase)	Duty Cycle IEC 34-1	Electric Motor IEC 34-1	Mounting (ISO 5211)	Bottom Bore (mm)	Weight
	Kg.m	N.m	90°						
GQ - 04N	4	40	13 sec	V1=95V~245VAC (free) V2=24V AC/DC	S4 50%	S2 30MIN	F05/F07	14 x 14	1, 2Kg

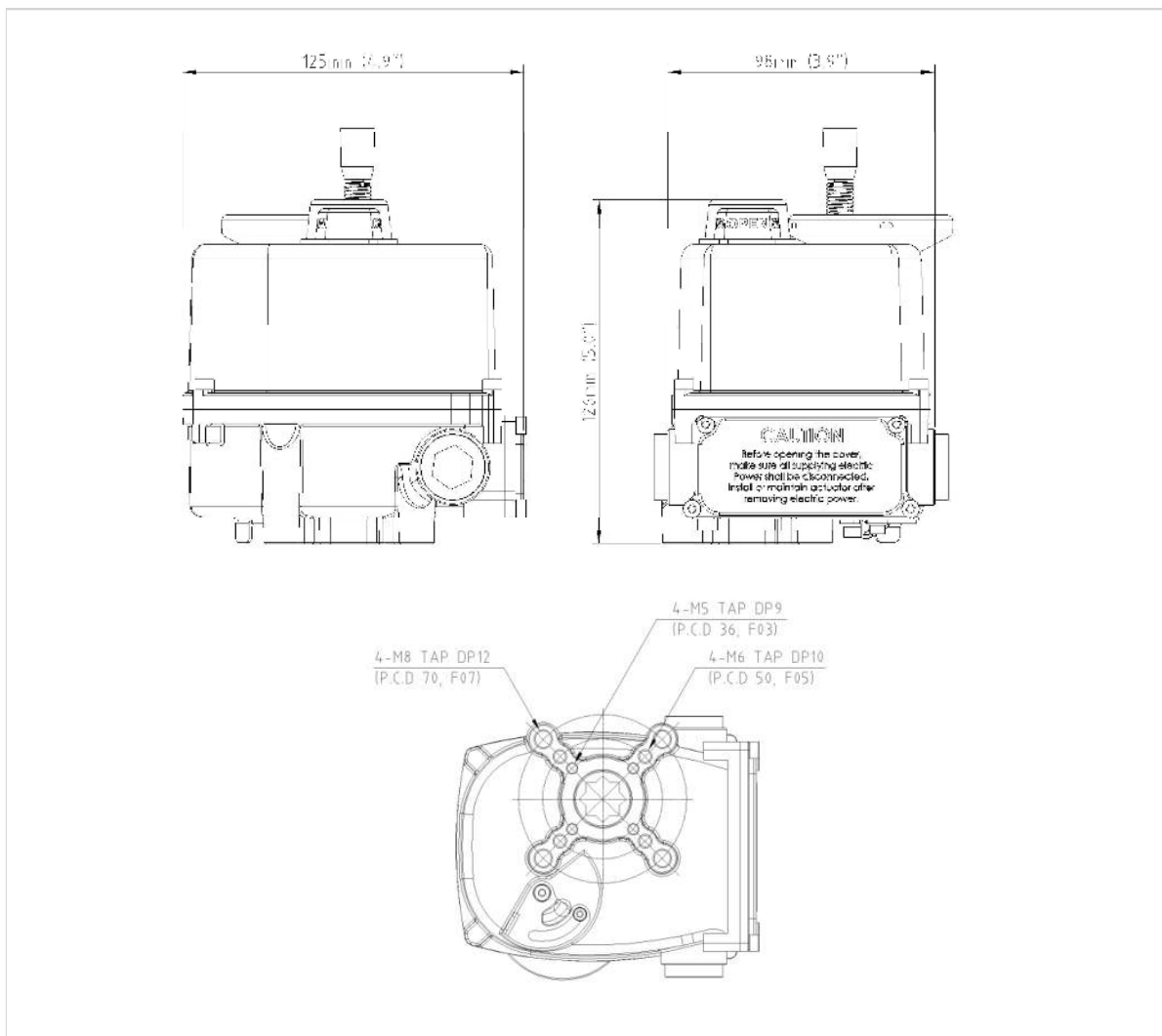
Standard specifications

Model	GQ - 04N	GQ - 04N(P)
Enclosure	WEATHER PROOF IP67	
Supplying power	95~245VAC 1PH 50/60Hz ±10%, AC or DC 24V ±10%	
Motor	EnclosureS2 30Min	S4 50% 1200 Start/hour
Input/Output Signal	DC 4~20mA, 0~10V, 2~10V	
Insulation Resistance	500V DC, 50M/ohm	
Input/Output Position Conversion Accuracy	±1%	
Limit switch	SPDT 250VAC 3A, 125VAC 5A	
Manual override	17 Turn	
Space heater	1W	
Ambient Temperature	-20℃~+60℃	
Ambient humidity	90% RH Max. (non-condensing)	
Cable entry	TERMINAL BOX TYPE (PF ½"), (M20 1.5P)	
Materials	Aluminum alloy	
Bottom Flange ISO5211 Code	F03, F05, F07	
Bottom Bore	14 X 14	
Operation Time(No Load)	13sec.	
INDICATOR	DOME TYPE MECHANICAL INDICATOR	
TRAVEL ANGLE	90° ±5°	

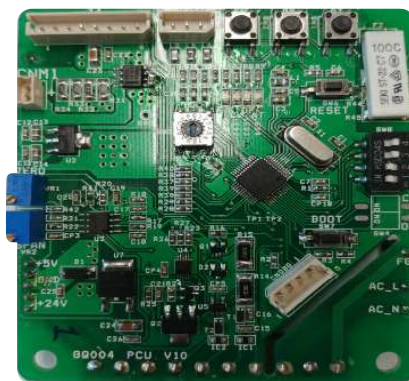
Table for available valves

Valve	2-Way ball valve 3-piece	2-Way ball valve 1-piece	3-Way ball valve
Actuator			
GQ - 04N	8A(1/4") ~ 32A(1 1/4")	15A(1/2") ~ 32A(1 1/4")	8A(1/4") ~ 25A(1")

Shape Dimension



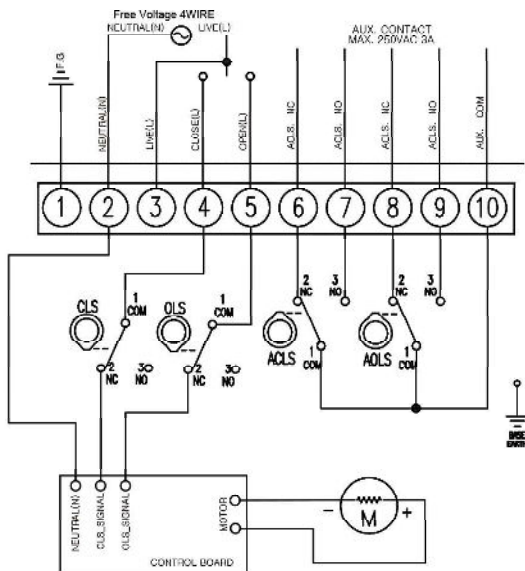
Options



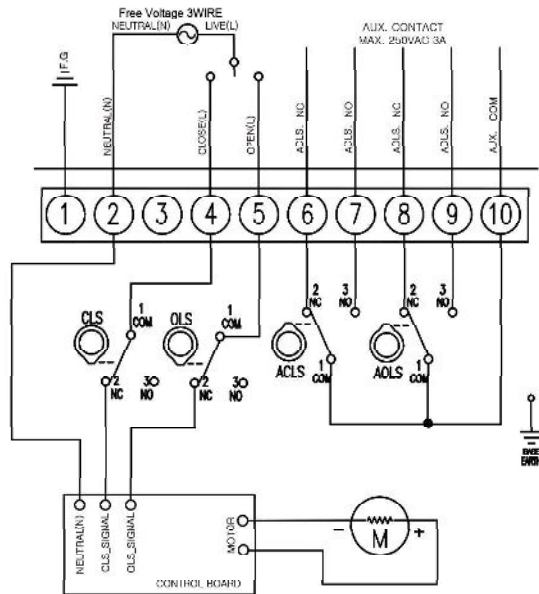
- Power : 95~245VAC, 50/60HZ
4VA Max - Changeable by DIP switch
- Input signal : 4~20mA, 0~10VDC, 2~10VDC
- Output signal : 4~20mA, 0~10VDC, 2~10VDC
- Auto setting, dead band, delay time setting etc.

Wiring diagram

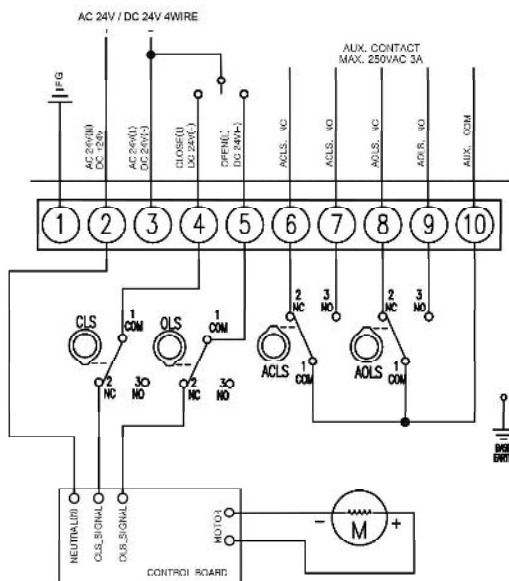
▶ AC Free Voltage ON-OFF(4Wire)



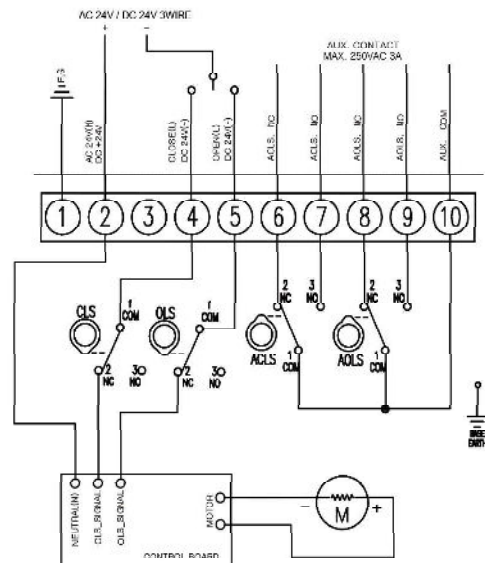
▶ AC Free Voltage ON-OFF(3Wire)



▶ AC/DC ON-OFF(4Wire)+24V

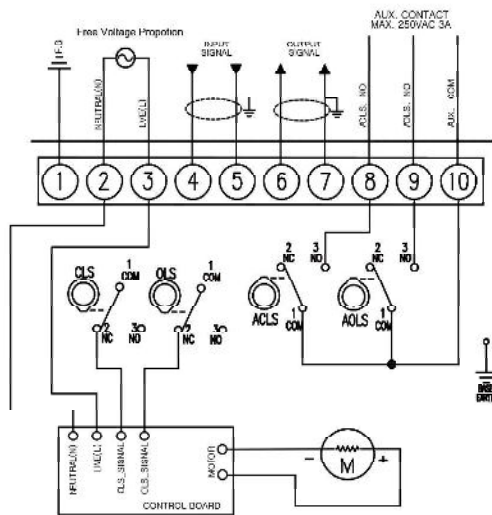


▶ AC/DC ON-OFF(3Wire)+24V

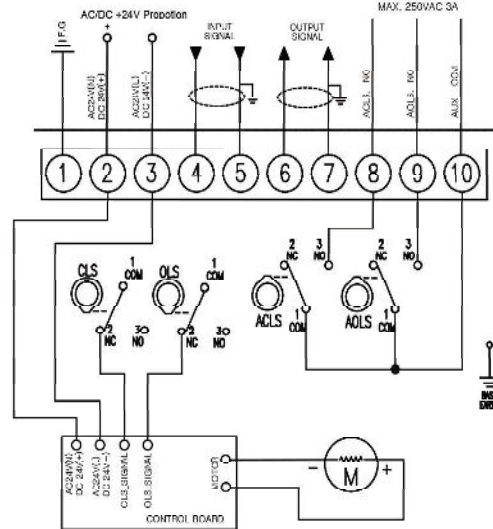


Wiring diagram

▶ AC Free Voltage (PCU)



▶ AC/DC (PCU)+24V



Order coding system

