

28/10/18

Kit for auto switching Celem C-CAP capacitors.

The kit allows to connect and disconnect C-CAP by tightening the copper nut on the capacitor.
The system controls up to four capacitors.

The electronic card monitors:

- 1- The torque of the DC motors during the connection.
- 2- The position of the nut for the disconnection.
- 3- The temperature of each capacitor.

Manual switching

The system can be operated by an external panel without serial communication.

Motors can be operated simultaneously or separately.

Time to connection/disconnection is about 20-30 seconds.

Switching cannot be done with voltage across the capacitors.

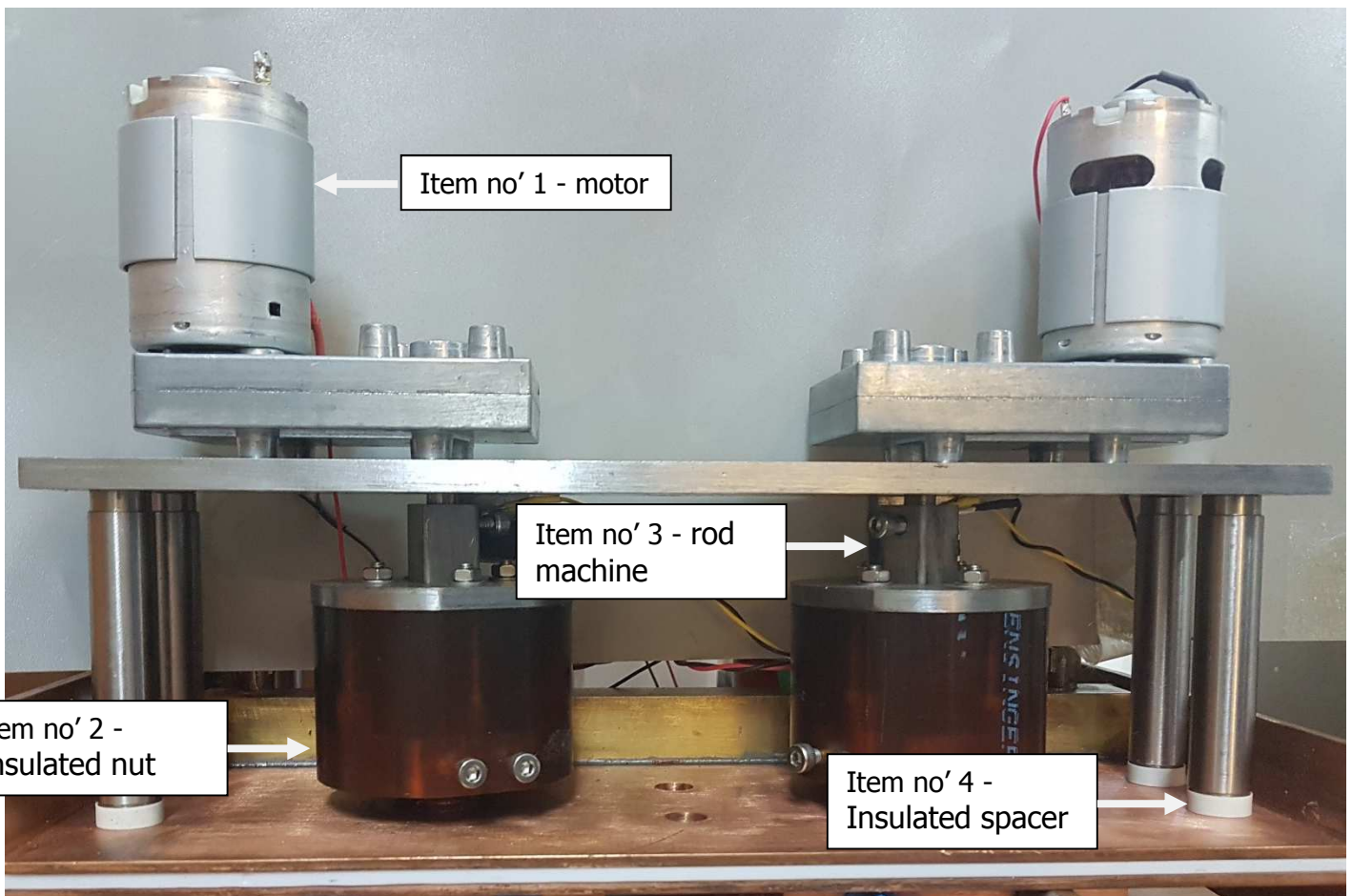
Thermo-switch is set at 55°C on the capacitor element.

Errors such as high temperature, failure to open or close nut, close a relay indicating a fault.

List of assembly system for C-CAP series

Celem power capacitor will provide the next parts for auto switching system according to the table below:

Item no'	Part name	No' units	remarks
1	Motor for switching 24V DC	4	
2	Insulated nut for switching	4	
3	rod machine to connect the motor to the insulated nut	4	
4	Insulated spacer for rod	8	
5	Electric board	1	See next table



The electric board dimension is: (L x W) 10.8 x 8.7 (cm)

Item no'	Part name	No' units	remarks
5.1	Power jack connector 24VDC 2.5mm	1	
5.2	"capacitor connect" green push button	1	
5.3	"capacitor disconnect" red push button	1	
5.4	rotary switch 4 positions to select capacitor	1	
5.5	"Fault Relay" output connector	1	
5.6	temperature fault leds	4	
5.7	USB mini connector for serial communication	1	

