

# C3 concens control concept

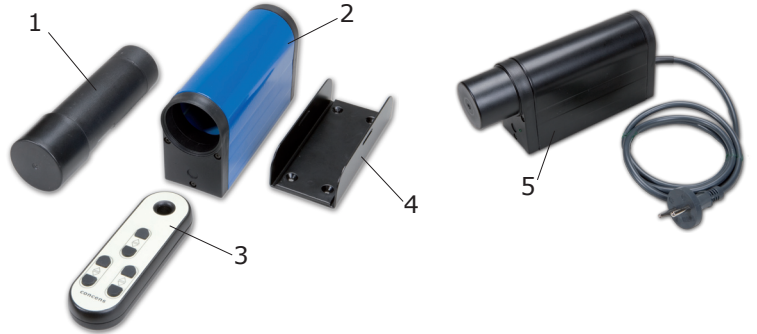


The C3 system is a versatile solution for control of concens and other actuators. The unique design, strong power supply system and the option of controlling multiple actuators makes the C3 system attractive in various applications

## C3 System

### Components

1. Battery (573 g)
2. Control box (491 g)
3. Remote control (93 g)
4. Bracket (318 g)
5. Battery charger box (500 g)



Black (RAL 9005) is standard colour and beige (Pantone 454) foil on remote control

## Battery (1)

Type	NiMH
Power supply	24 V DC
Maximum continuous current	7 A (Short-time peak current 10 - 20 A)
Capacity	1400 mAh
Low-capacity warning	Sound signal

## Control box (2)

Number of remotes	A C3 control box can recognize ID's from max. 10 remotes
Connector type	Molex Mini-fit 5559
Number of outputs	Up to 5 (4 actuators + 1 wired remote or emergency stop output)
IP code standard	Standard IP50 (remark: IP65 available as option)

Choice of different over-current cut-off level up and down.

Adjusted by concens prior to delivery on customer request. Option for independent actuators or actuators running parallel.

Options for one control box

No. of actuators	Options (Both wired and wireless solutions)		
1	1 Independent		
2	2 Independent	2 Parallel	
3	3 Independent	2 Parallel+ 1 independent	
4	4 Independent	2x2 Parallel	2 Parallel + 2 Independent

Actuators running in parallel requires hall (see hall data sheet)

## Remote control (3)

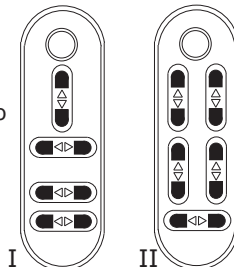
**Wired solution**  
Standard cable length 0.55 m



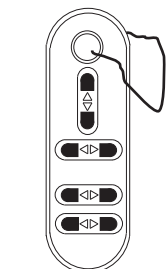
### Wireless solution

Frequency 2.4 GHz communication frequency

Two basic designs for location of buttons. Customer can select any button location and design from the two standard designs:



Remote control battery cover



Choice of black cord for eye in remote control.

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**Bracket (4)** Part of control box delivery Magnetic coupling with control box (patent application pending)

**Battery charger (5)** Power supply 110 or 240 V AC  
 Charging time 5 - 8 hours  
 Mains connector European / UK / US type  
 Battery change Easy revolving fastening (patent application pending)  
 Charging signal Green light flashing  
 Full capacity signal Continuous green light

**Patent** Patent application PCT WO 2005/109563

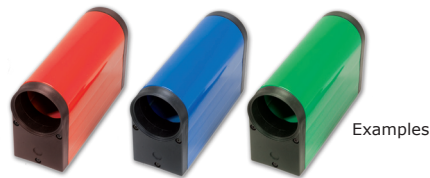
**Options** Emergency stop on battery  
 Customised colour and logo on foil for remote control  
 Protection class IP65  
 Precise control of actuator movement and location of end stops.



Emergency stop on battery

Hall sensor in actuator (see Hall data sheet)

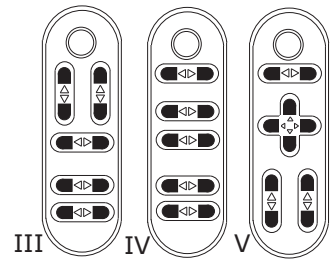
Customised colour of control box and battery charger



Examples

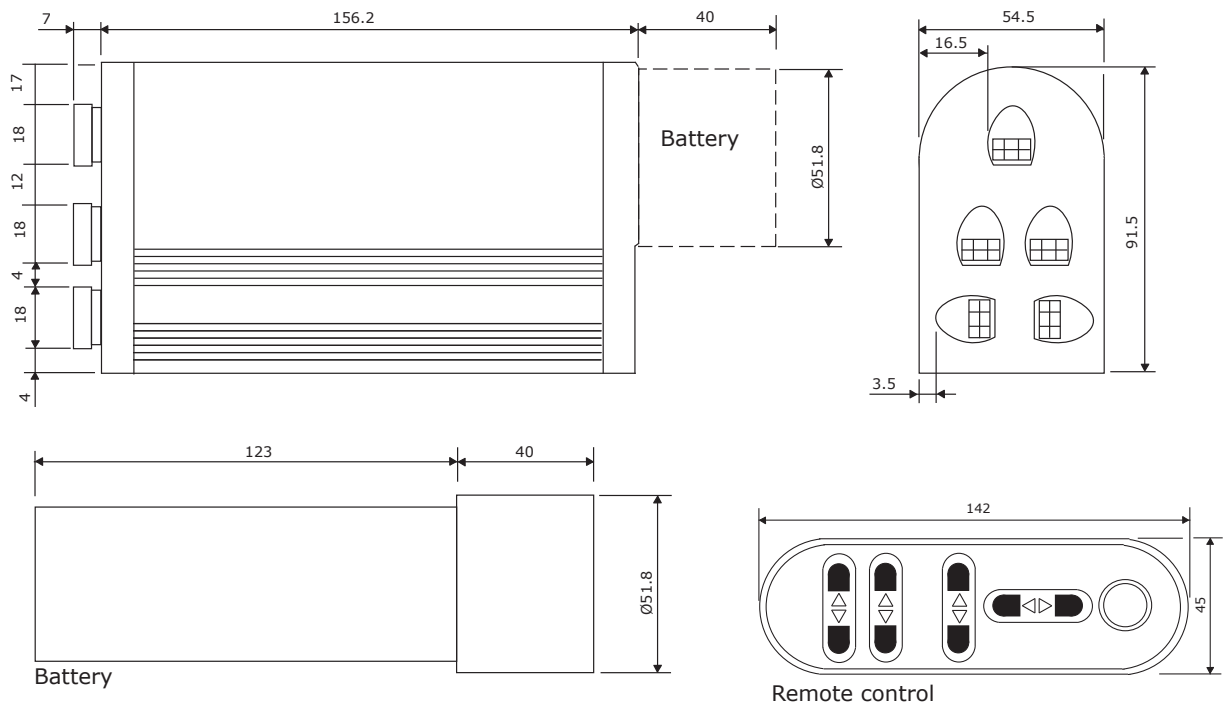
Customised remote design

Customer can select any button location and design from three options:



**Multiple system design**  
 An unlimited number of control boxes can be setup identically and controlled by one remote control (only wireless).

## Dimensions



Specifications subject to change without prior notice. It is the responsibility of the product user to determine the suitability of concens as products for a specific application.