

# C3 concens control concept



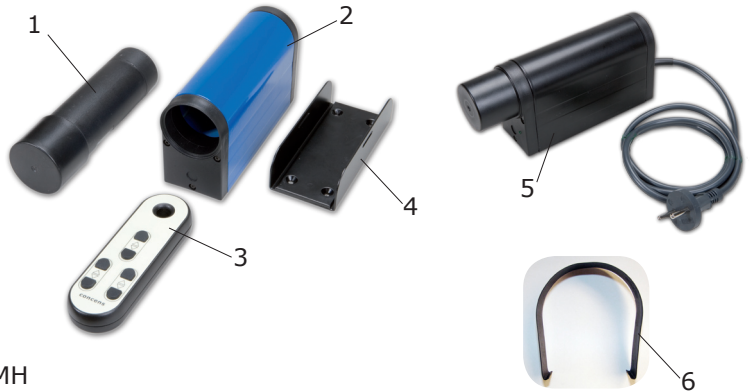
The C3 system is a versatile solution for control of concens and other actuators. The unique design, strong power supply system and the option of controlling multiple actuators makes the C3 system attractive in various applications

## 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)
6. Safety clip

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



## Battery (1)

Type  
Power supply  
Maximum continuous current  
Capacity  
Low-capacity warning

NiMH  
24 V DC  
7 A (Short-time peak current 10 - 20 A)  
1400 mAh  
Sound signal

## Control box (2)

Number of remotes  
Connector type  
Number of outputs  
IP code standard

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

Choice of different

Adjusted by concens prior to delivery on customer request.

### 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 Parrallel	2 Parallel + 2 Independent

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

## Remote control (3)

### Wired solution

Standard cable length

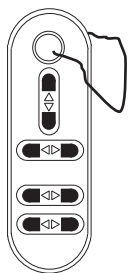
0.55 m - 2.30 m (retracted - extracted)



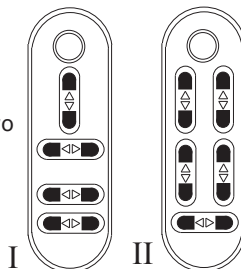
### Wireless solution

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

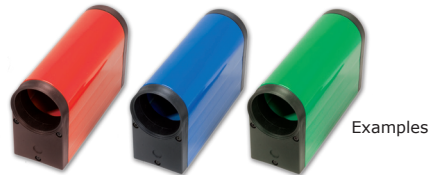
**Options** Emergency stop on battery  
  
 Customised colour and logo on foil for remote control  
  
 Protection class IP 65



Emergency stop on battery

Precise control of actuator movement and location of end stops.      Hall sensor in actuator (see Hall data sheet)

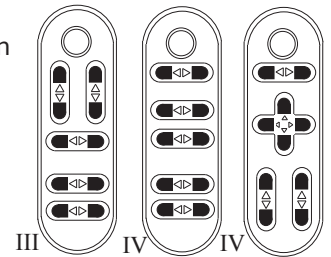
Customised colour of control box and battery charger



Examples

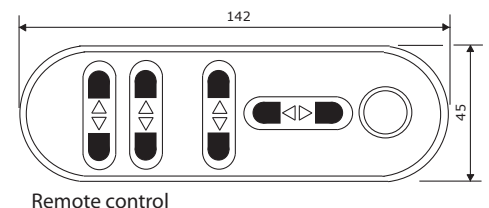
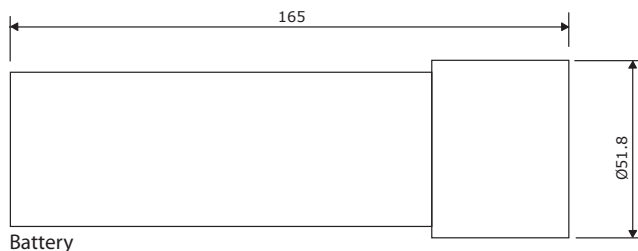
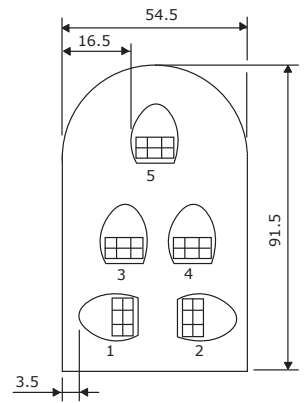
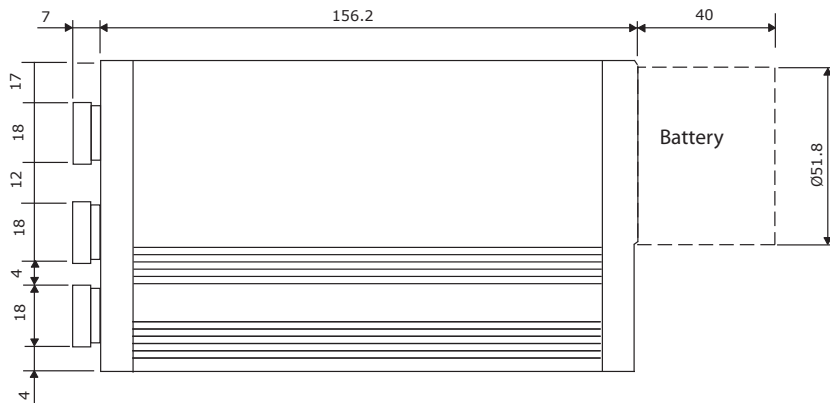
Customised remote design

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.