

# C3 concens control concept



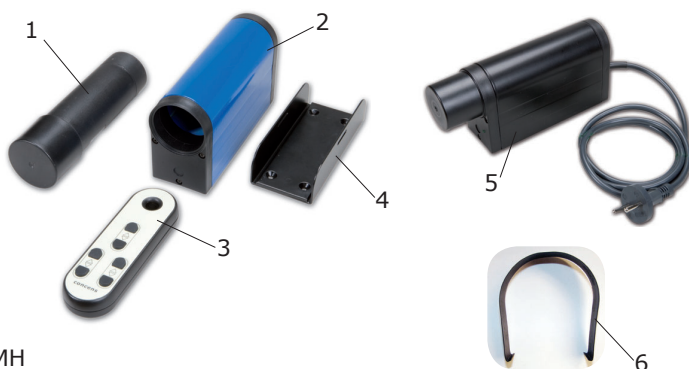
The C3 system is a versatile solution for control of concens and other actuators. The unique design, strong power supply system and the option of controlling multiple actuators makes the C3 system attractive in various applications

## 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                       | 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

Adjusted by concens prior to delivery on customer request.

Options for one control box

| No. of actuators | Options<br>(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)

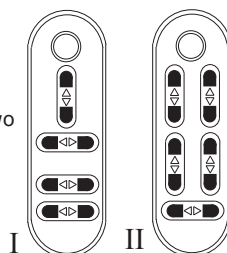


#### Wireless solution

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  
Charging time  
Mains connector  
Battery change  
Charging signal  
Full capacity signal

110 or 240 V AC  
5 - 8 hours  
European / UK / US type  
Easy revolving fastening (patent application pending)  
Green light flashing  
Continuous green light

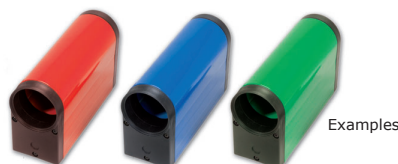
**Patent** Patent application PCT WO 2005/109563

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

Precise control of actuator movement and location of end stops.

Customised colour of control box and battery charger

Hall sensor in actuator (see Hall data sheet)



Examples

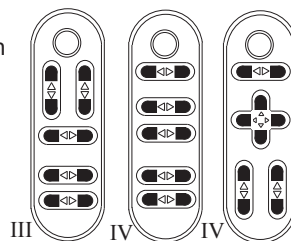


Emergency stop on battery

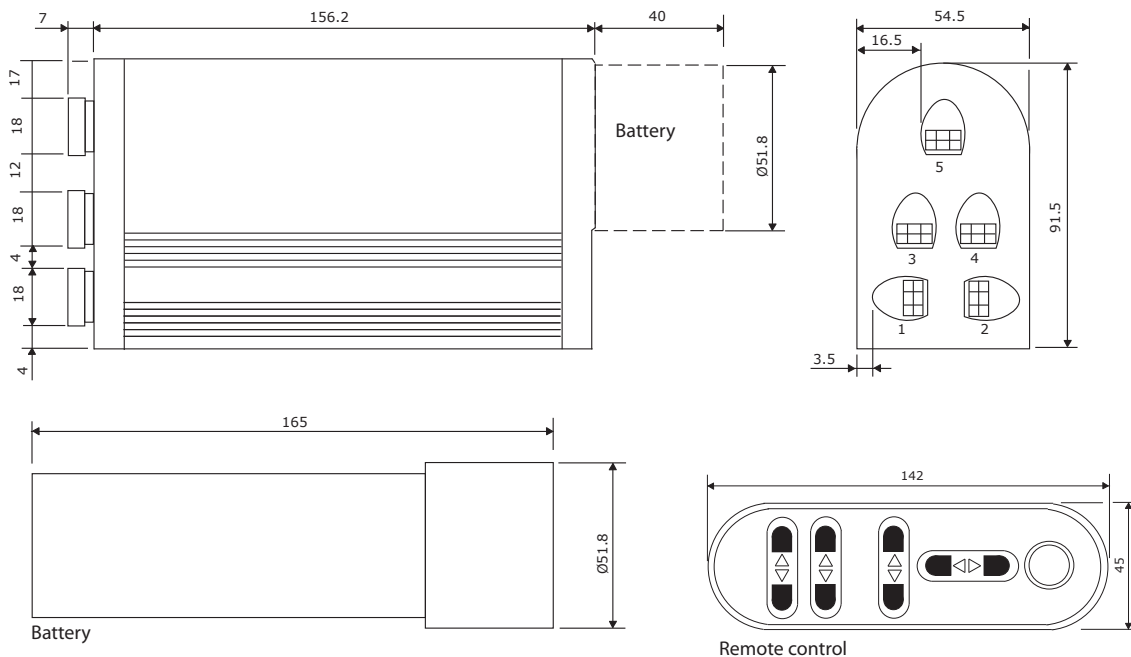
Customised remote design

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

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



## 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.

## concens as

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