

## Azimuth control unit: RSCU-mk3 series



The RSCU-mk3 series consist of two members in the following executions:

- RSCU-mk3 (144x144mm);
- RSCU-mk3.4 (160x160mm, motorized version).

They both share the classic recognisable bow-shaped rotatable top section.

The control units of the RSCU series (**R**otation and **S**peed **C**ontrol **U**nit) are console mounted lever units designed for controlling both speed (RPM or pitch) and heading (azimuth). All types can be equipped with potentiometers and/or micro switches for both speed as well as heading control. The motorized executions are all stepper motor driven and linked by means of CAN bus for automatic synchronization (Electric Shaft) with remote stations or an external master system.

### Possible output signals

- 2KOhm;
- 5KOhm;
- 4-20mA;
- Integrated CAN;

### Specifications

The RSCU-mk3 comes with potentiometers and/or micro switches for the electrical interface with the propulsion- and steering control systems. It is available with a IP42 or IP56 rating, and with the possibility to limit the speed lever travel and/or steering angle according to your requirements. Palpable stops (detents) can be supplied in both sections.

The RSCU-mk3.4 is the stepper motorized equivalent of the mk3 model, with slightly larger dimensions of 160x160mm, and an increased built-in depth due to the presence of 2 stepper motors and their associated reference potentiometers. The default IP-rating is IP56. The stepper motors are driven by an external **C**ontrol **U**nit to **B**us **I**nterface module ('CUBI'). This module is the interface to the (redundant) CAN bus, which forms the basis for the fifth generation of Electric Shaft systems, ELAS-5.

The CUBI also offers an amount of I/O's for the human-machine interface i.e. signal lamps, pushbuttons and buzzers.

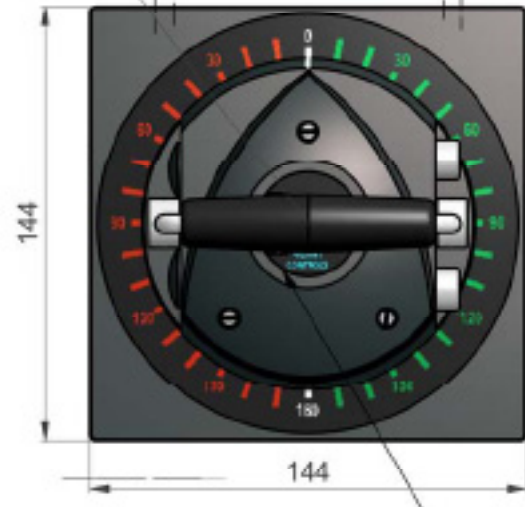
### Options

- Extra or special potentiometer(s);
- Micro switch contact(s);
- Customized grips (other materials like wood), logo's;
- Stepper motors (mk3.4) for:
  - Automatic line-up (Electric Shaft);
  - Electrical fine adjustment;
  - Haptic feedback;
  - Programmable detents (palpable stops);
- Limited lever travel;
- Other options on request.





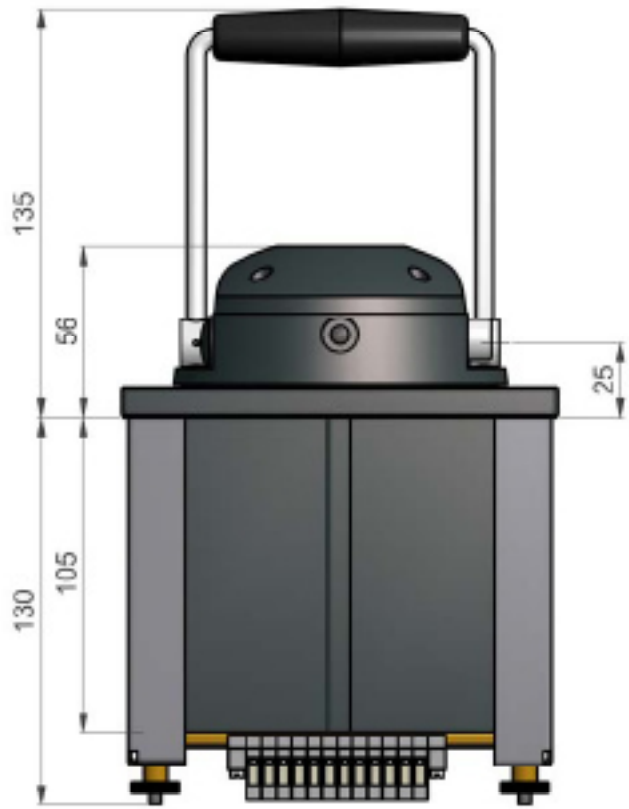
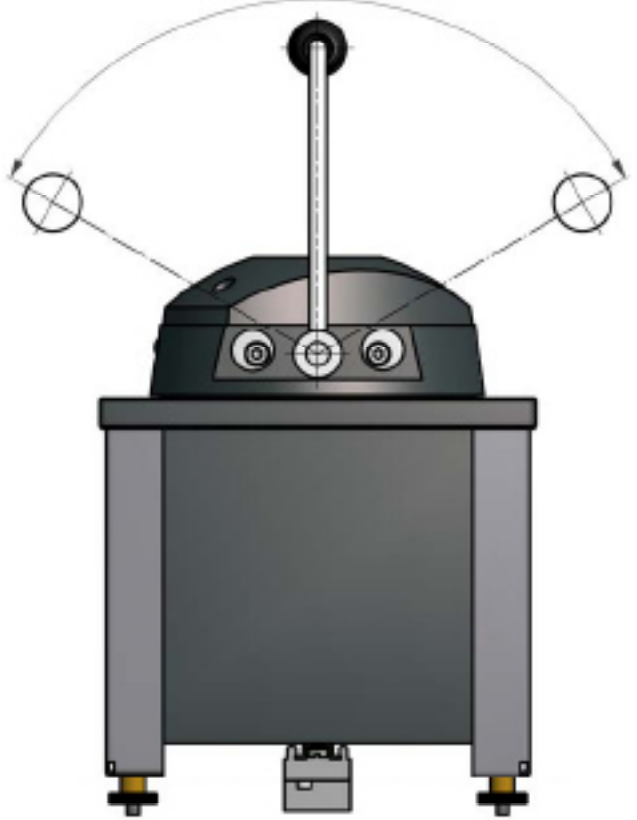
R105



RPM / Speed dial



120°

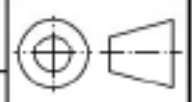


Panel cut-out : 137x137mm  
 Max. panel thickness : 15mm.

Protection front side IP 42  
 Protection terminal side IP 21

RSCU mk3 IP42

Form. 4A  
 4A0103289



**KWANT CONTROLS**  
 KWANT CONTROLS B.V. SNEEK HOLLAND

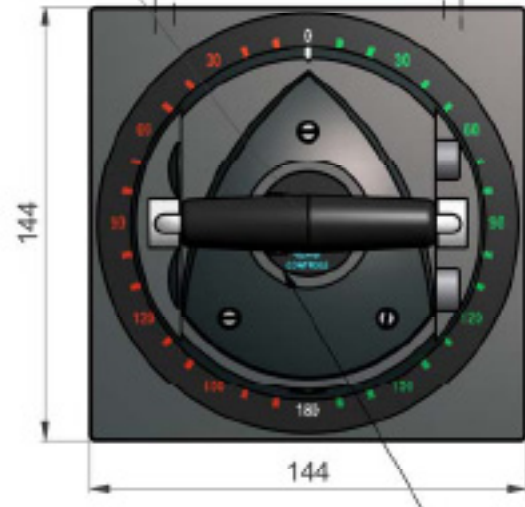
Maten in millimeters  
 HET AUTEURSRECHT WORDT  
 VOORBEHOUDEN  
 OVEREENKOMSTIG DE WET

Wijz.: A Art.:  
 Get.: EvD Get.dd.: 27-5-2011 L.Wijz.dd.: 27-5-2011  
 Schaal: 1:2,5 Status: Released Blad: 1 / 1

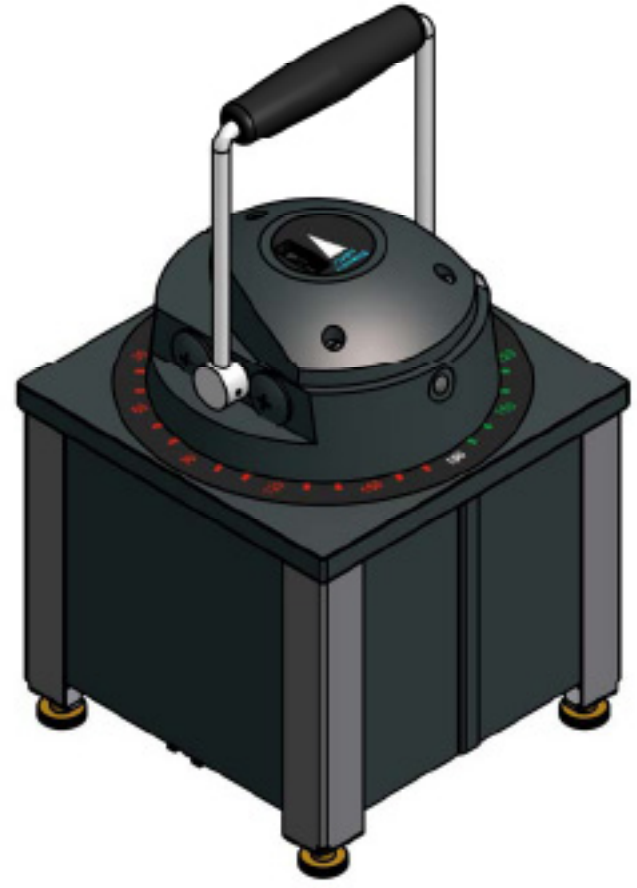




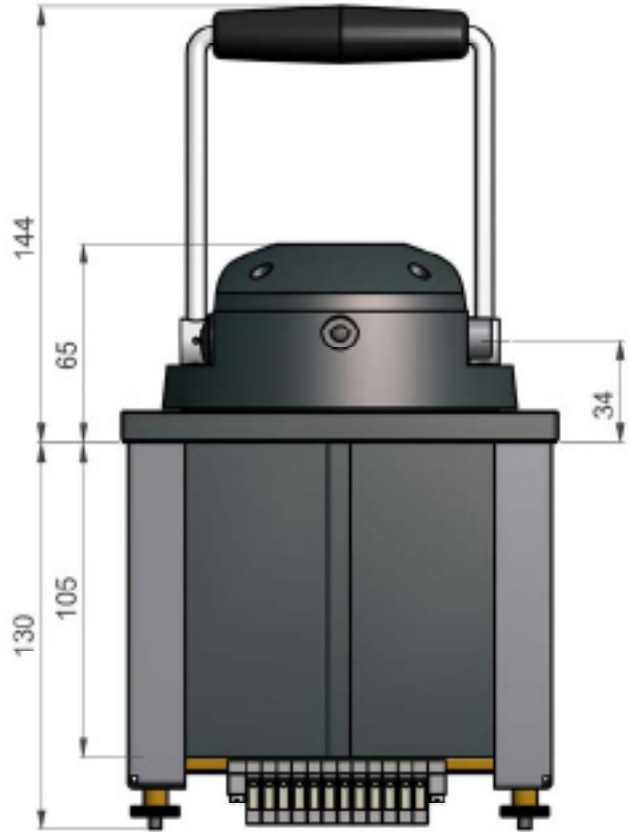
R105



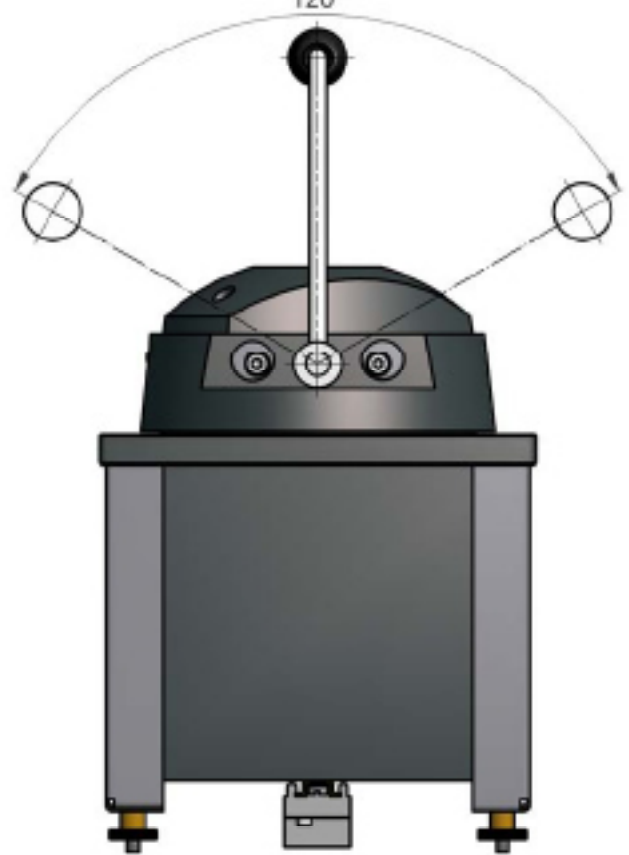
RPM / Speed dial



120°



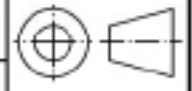
Panel cut-out : 137x137mm  
 Max. panel thickness : 15mm.



Protection front side IP 56  
 Protection terminal side IP 21

RSCU mk3 IP56

Form. 4A0104666  
 A4

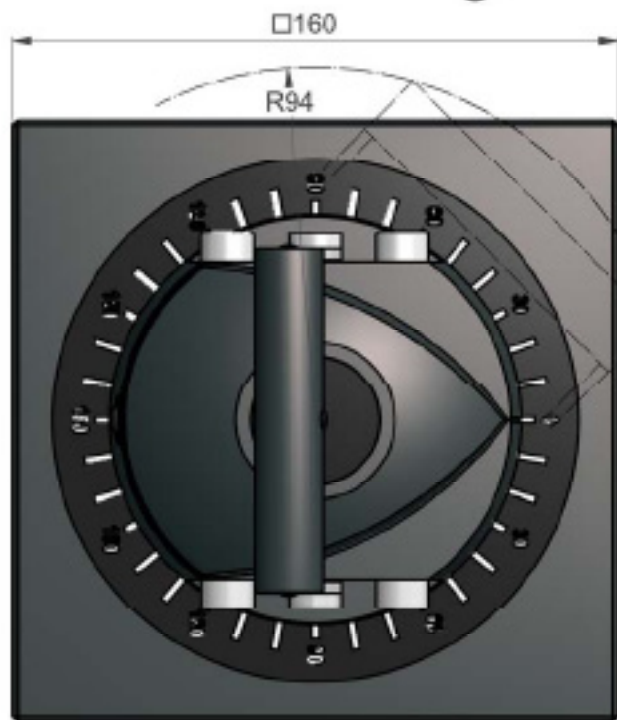
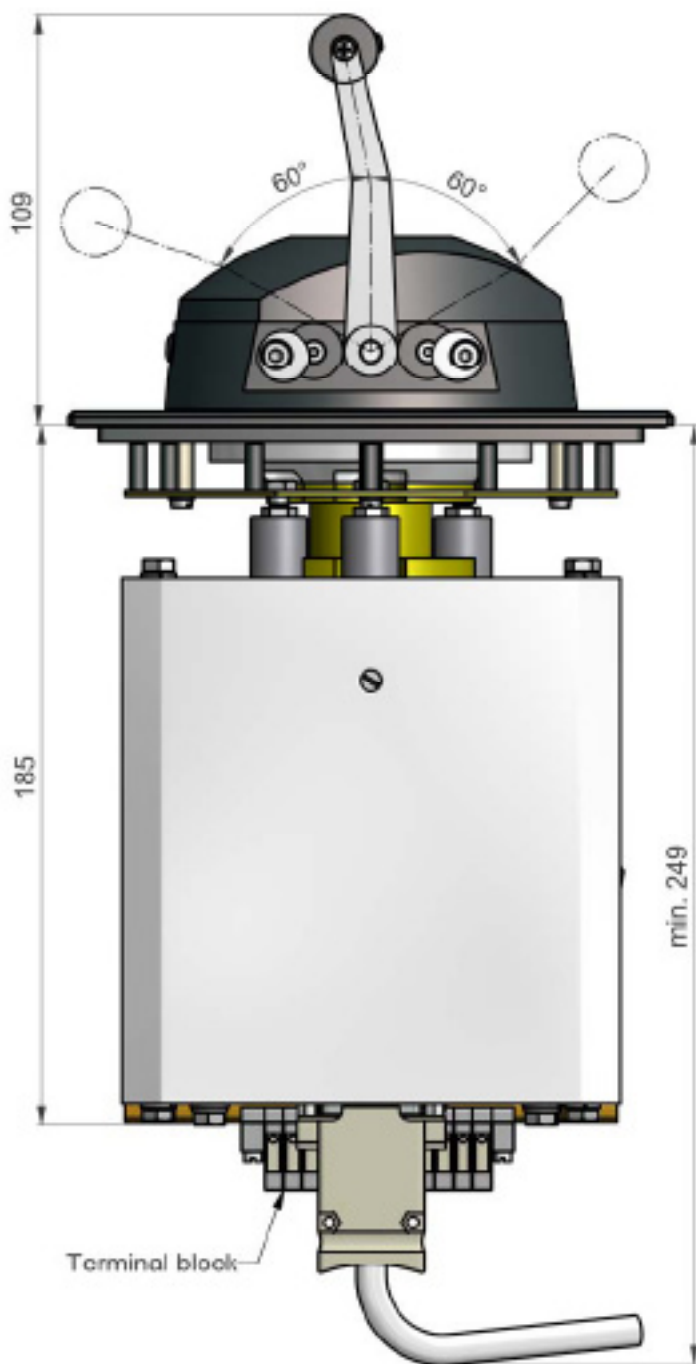
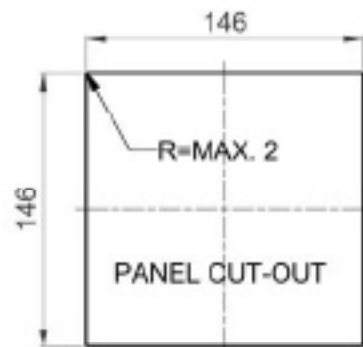
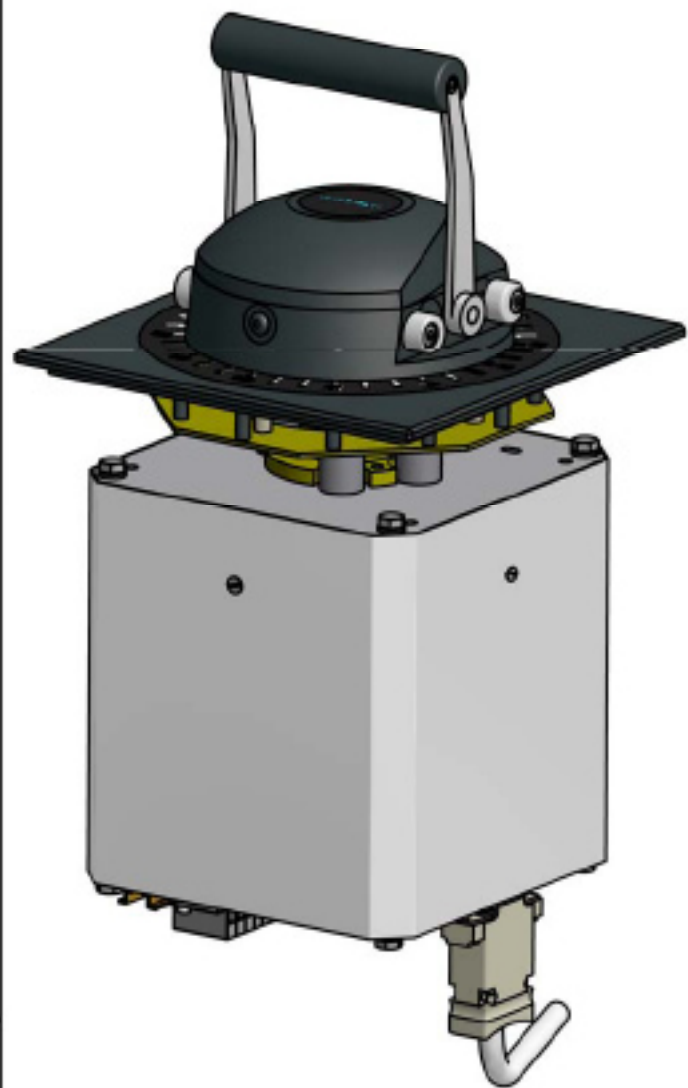


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 KWANT CONTROLS B.V. SNEEK HOLLAND

Maten in millimeters  
 HET AUTEURSRECHT WORDT  
 VOORBEHOUDEN  
 OVEREENKOMSTIG DE WET

Wijz.: A Art.:  
 Get.: EvD Get.dd.: 30-5-1997 L.Wijz.dd.: 20-12-2011  
 Schaal: 1:2,5 Status: Released Blad: 1 / 1

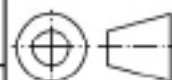




Protection front side : IP 56

RSCU mk3.4

Form. 4A  
4A0116737



**KWANT CONTROLS**  
KWANT CONTROLS B.V. SNEEK HOLLAND

Maten in millimeters  
HET AUTEURSRECHT WORDT  
VOORBEHOUDEN  
OVEREENKOMSTIG DE WET

Wijz.:  
Get.: Evd  
Datum: 4-4-2008  
Schaal: 1:2  
Vrijgave dd:

Blad: 1 / 1