



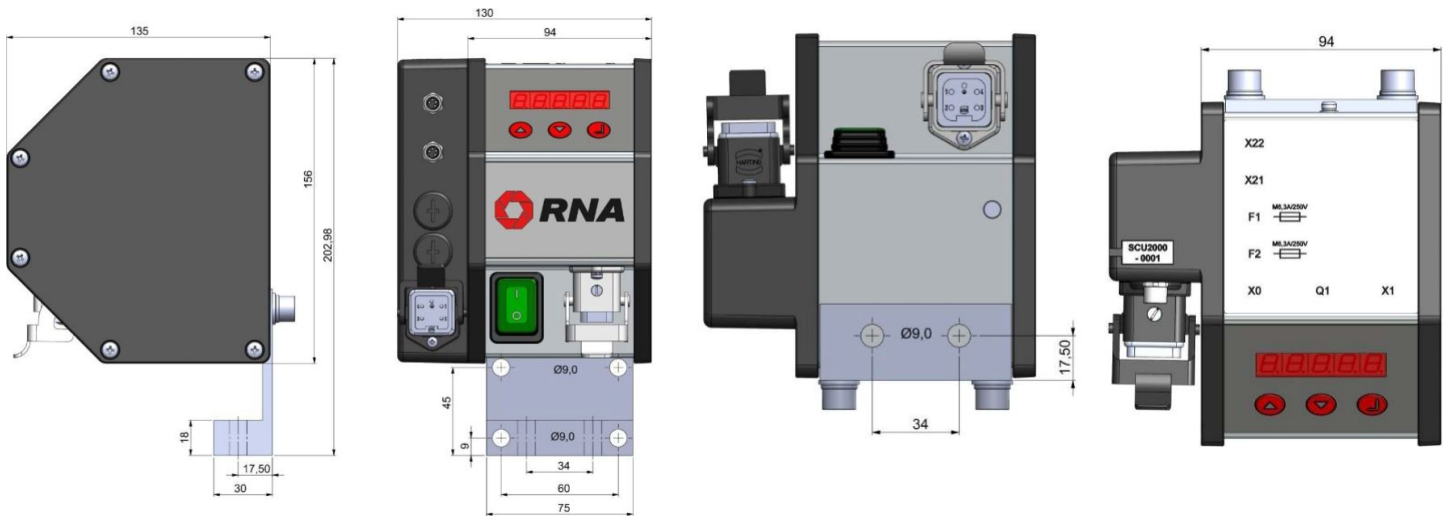
RNA Smart Control SCU1000 & SCU2000 *New generation control units from RNA*

- Industry 4.0/IoT-compatible
- All connections on front panel
- Easy operation and integration with your equipment
- Compact and innovative design

RNA's new control units SCU1000 (fixed mains connection via cable) and SCU2000 (plug-type mains connection) have been thoroughly redesigned and replace the current ESG1000 and ESG2000 series. They feature an innovative design for intuitive operation and easy integration with state-of-the-art equipment. The good-sized display provides a clear and intuitive user interface, and the front panel connections permit direct side-by-side arrangement of multiple control units. The latest in processor and communication technologies is installed for optimum operation of the control units.

General features and functions:

The compact control unit can supply all RNA vibrating drives with load currents up to 6 amps and is designed for stand-alone installation directly at the vibrating drive. Feeding rates are optimized for RNA drives and can be precisely adjusted within the setting range via LED display. A novel closed-loop control function keeps the feed rate largely constant even in the presence of mains voltage fluctuations. The illuminated rocker switch in the front panel isolates the controller from power supply on both poles. For frequent switching applications or when operating with a higher-level control system provision is made for no-load switching-off both by floating contact and by a 16-30 VDC voltage signal. Moreover, the current operating status of the controller is given by a "READY" or "ACTIVE" signal. The controller can operate on both 230V and 110V supplies which can be selected on an internal switch. All other controller settings are made via the LED display.



Technical data:

Power supply (can be changed internally):	230 V AC, 50/60 Hz, +10 -10% or 110 V AC, 50/60 Hz, +15 -6%
Output voltage:	40...208 V(eff), adjustable, (for 230V mains) 20...105 V(eff), adjustable, (for 110V mains)
Load current:	max. 6 A(eff)
Fuses (in power input):	2x miniature fuse 5 x 20mm, M6.3A/250VAC
Operating modes: (depending on 50/60 Hz supply frequency)	1) Asymmetric half-wave mode (vibrating frequency = mains frequency)
Mode change:	Coding jumper in load connector
Enabling of functions:	internal/external, adjustable via parameters
Enabling input, external contact:	floating NO contact, approx. 24VDC, <10 mA
Enabling input, external 24V signal:	input protected against reverse polarity, voltage level
Status outputs	24VDC, max. 30mA
Power loss:	max. 18W
Soft start / stop	adjustable via parameters, default setting approx. 0.1 s
Degree of protection:	IP 54
Radio interference suppression:	acc. to EMC directive
Dimensions:	130 x 203 x 135 (width x height x depth)
Ambient temperature:	0°C to 40°C
Weight:	approx. 1.6 kg
Housing material:	Aluminium/plastics
Installation position:	vertical



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