

**ERC specification****Mechanical Dimensions**

- ERC PCB: 80mm x 61mm

DC Supply

- 11 to 15 VDC through a 2.1mm by 5.5mm DC-Jack with (+)-pole on the inner contact
 - o protected against wrong polarization
 - o fused with 1.0 A mini-fuse
- current consumption (at 13.8V)
 - o stand-by: max 10mA
 - o working : max 110mA

Temperature-range

- 0°C to 70°C

Measurement input circuits (rotor feedback voltage)

- range: 0 to 15V against ground
- input-impedance: > 250KOhm
- 3 auto-range input stages
- protected against high voltage burst coming through the cable
- measurement-resolution: 10 Bit

Relay-Outputs

- DPDT relay-outputs for CW and CCW with 50VAC/3A or 30VDC/2.5A
- SPST relay-output for AUX with 230VAC/3A

Communication-interface (RS232 or USB)

- RS232 through 3.5mm phone-jack and adapter-cable to 9-pin DSUB
- USB through type B connector

Controller

- 8-bit RISC-architecture
- bootloader to update firmware through RS232 or USB

Firmware supported features

- delay before rotator starts moving
- delay before attaching brake
- programmable end-stops
- antenna offset
- overshoot-correction for large antennas
- support of overlap up to 180°
- programmable AUX-relay for speed- or brake-function
- speed function by angle or time
- extended Calibration every 30°
- tolerance of position
- security stop if rotor doesn't move
- configurable communication-speed: 4800 -9600 -19200 – 38400 Baud
- configurable protocol: DCU-1, GS232A, GS232B

Service-Tool and Rotor-Control M

- Supported operating systems
 - o Windows 2000 and XP
 - o Windows Vista, 7,8, 8.1, 10 (32 bit and 64 bit)
- software-calibration
- save and load of all calibration- and configuration-data