Easy-Rotor-Control Specification

1. Mechanical Dimensions
- PCB size 78.74mm x 54.29mm (3.1” x 2.14”).
- Fits inside most rotor-controllers or in a seperate housing (not supplied in the standard kit).

2. DC Supply
- 10 to 15 VDC through a 2.1mm by 5.5mm DC-Jack with (+)-pole on the inner contact.
- Current consumption max. 110mA.
- Protected against wrong polarization. Fused with 0.5 A mini-fuse.

3. Measurement input circuit (rotor feedback voltage)
- Range : 0 to 15V against ground
- Input Impedance : > 250KOhm
- Automatic input range.
- Protected against high voltage burst coming through the cable.
- Resolution : 10 Bit

4. Relay-circuits
- Brake : 1xON, max. 250VAC/ 5A.
- CW/CCW/UP/DWN : 2xON/OFF, max. 50VAC/5A and 24VDC/5A
- CW/CCW/UP/DWN with HEAVY-DUTY ERC: 1xON/OFF, max 50VAC/8A

5. COM-Port
- RS232 through 3.5mm phone-jack and adapter-cable to 9-pin DSUB.

6. Controller
- Bootloader to update firmware through RS232.
- Supported protocols : Hygain DCU-1, Yaesu GS232B.

7. Firmware supported features
- Delay to attach brake
- Delay before move
- Anti-Stuck-Routine
- Programmable End Stop Clock Wise
- Programmable End Stop Counter Clock Wise
- Antenna offset
- Optimize South/North Path
- Bidirectional Antenna Support
- Over-Shoot Correction
- Parking Position
- South-Centered Antenna or North-Centered-Antenna
- Extended Calibration avery 30°
- Automatic calibration
- Security-stop if rotor doesn´t move
- Configurable AUX-relay for brake- or speed-control

8. Service-Tool
- Supported operating systems
  - Windows 2000
  - Windows XP
  - Windows Vista 32bit
  - Windows 7 32bit/64bit
- Configuration of all controller features by RS232.
- Automatic calibration and firmware-update.
- Program ERC-Control for rotation and parking.

© Ing.-Büro Alba de Schmidt
Tannenstr. 16
86836 Untermeitingen / Germany
web : www.schmidt-alba.de
email : erc@schmidt-alba.de