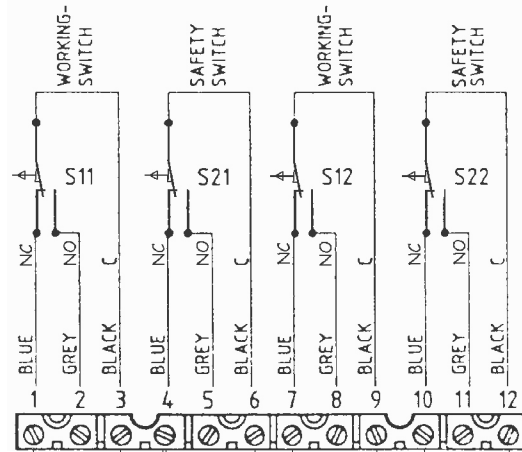


Wiring diagram - Ridder single phase motors to HRS1 controller

RIDDER MOTOR GEARBOX LIMIT SWITCH ASSEMBLY

Use limit switch appropriate to the direction of rotation

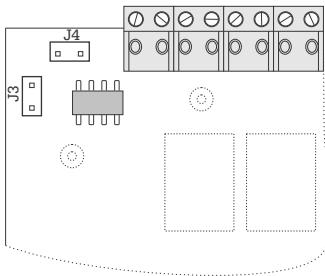


REMOTE CONTROL

- Printed circuit board jumper positions

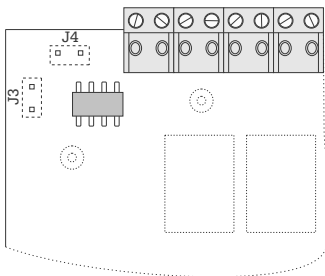
VOLTAGE FREE

Both jumpers fitted on J3 and J4



VOLTAGE FREE

24 V DC OR 24 V AC
No jumpers fitted on J3 or J4



24 V DC

24 V+

0 V

24 V AC

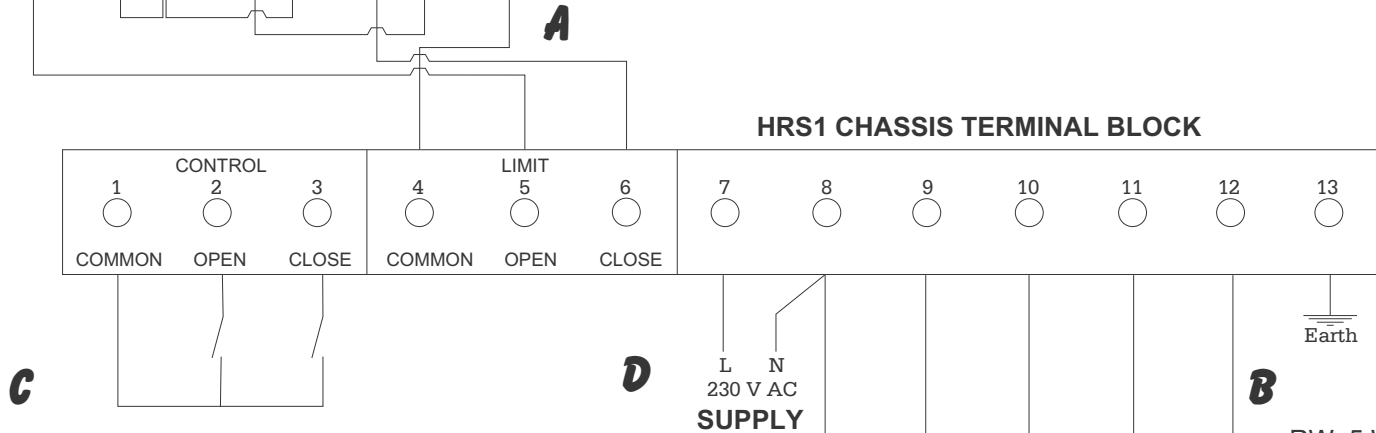
24 V AC common

24 V AC control

- A** Connections are required between the Ridder motor limit switch and the HRS1 terminal block
- B** Connections are required between the Ridder motor terminal block and the HRS1 terminal block
- C** If a remote / automatic controller is to be used, connections to the HRS1 terminal block are required. The jumpers on the circuit board then have to be adjusted for voltage free, 24 V AC or 24 V DC operation, depending on the type of control to be used.
- D** Connections are required between the HRS1 terminal block and a 240 V AC single phase supply.

CAUTION: On initial power-up, ensure drive unit is isolated or disconnected to prevent mechanical damage resulting from incorrect direction of rotation or the limits not being set.

NB: There is a 5 second delay before a contactor is energised.

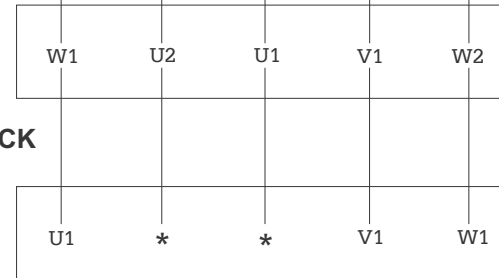


HRS1 CHASSIS TERMINAL BLOCK

If motor runs in wrong direction, reverse wires to 11 and 12

D
L N
230 V AC
SUPPLY

MOTOR TERMINAL BLOCK



RW, 5 WIRE (2 CAPACITOR) MOTORS
All single phase RW motors except RW45 (all rpms), RW241 and RW401

RW, 3 WIRE (1 CAPACITOR) MOTORS
RW45 (all rpms), RW241 and RW401

Hortisystems

Wire_1ph HRS1.pdf
Created 12/11/03