

REMOTE CONTROL STATION (RCS) INSTALLATION INSTRUCTIONS FOR CONNECTION TO IMO JAGUAR CUB INVERTER.

The default settings for a new Jaguar Cub are for inverter keypad operation using the inverter Stop/Start buttons and “on-board” potentiometer for speed control.

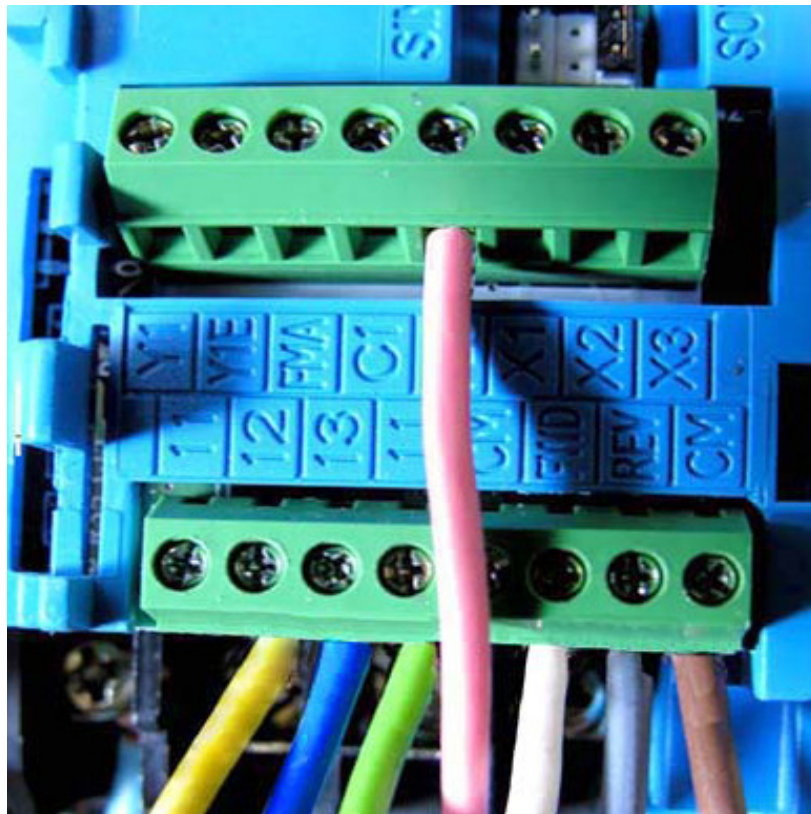
To carry out a basic setup plus installation of the RCS proceed as follows.

- Connect the dual-voltage motor configured in “Delta” for operation at 220-240V 3 phase to the inverter power terminals marked U – V – W (Phases) & G (Ground/Earth) using a length of screened motor cable. The “screen” should also be connected to the Ground/Earth terminal.
- Connect the input single phase power Live-Neutral & Earth 230 Volts 50Hz to the inverter power terminals marked L1/L (Live) – L2/N (Neutral) & G (Ground/Earth).
- **ENSURE NO CONNECTIONS ARE MADE TO THE TERMINALS MARKED P+ and N-. THESE TERMINALS ARE FOR BRAKING RESISTOR CONNECTION ONLY AND WILL CAUSE MAJOR DAMAGE TO THE INVERTER.**
- Test the drive operation using the keypad
- Stop the drive
- Press PRG/RESET
- Press FUNC/DATA
- Move up/down arrow buttons until F01 is displayed
- Press FUNC/DATA
- Move up/down arrow buttons until 1 is displayed
- Press FUNC/DATA - display flashes SAVE and then shows F02
- Press FUNC/DATA
- Move up/down arrow buttons until 1 is displayed
- Press FUNC/DATA display flashes SAVE and then shows F03
- Press PRG/RESET twice
- Turn off the power and wait for the display to go blank
- Connect the seven RCS wires and the earth screen as shown below
- Turn on the Power
- Press the start button on the RCS
- It will now be possible to start/stop, reverse and speed up & slowdown from the RCS.

Pendant connections to the inverter. Behind front cover.

Wire Colour	Terminal Number	Function
PINK	PLC	24VDC +
GREY	REV	REVERSE
WHITE	FWD	FORWARD
BROWN	CM	24VDC – Return
BLUE	13	Potentiometer High Side
YELLOW	12	Potentiometer Centre
GREEN	11	Potentiometer Low Side
Green/Yellow	G (Earth)	Earth screen

NB – Should you need to incorporate a guard switch/ limit switch so that the unit will not run unless this is closed please remove the pink wire from terminal PLC and connect to one side of this switch, from the other side connect to terminal PLC.



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