

REMOTE CONTROL STATION (RCS) INSTALLATION INSTRUCTIONS FOR CONNECTION TO IMO iDRIVE2 XKL INVERTER.

The default settings for a new XKL are arranged for keypad operation i.e. using the Stop/Start buttons plus using the potentiometer for speed up & slow down.

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

- Connect a suitable motor configured to operate on 230 Volts 3 phase (delta connected) to terminals U – V – W & PE (Earth).
- Connect the input single phase power 230V 50Hz to terminals L (Live) – N (Neutral) & PE (Earth)

ENSURE NO CONNECTIONS ARE MADE TO THE TERMINALS MARKED "+" and "PB". THESE TERMINALS ARE FOR BRAKING RESISTOR CONNECTION ONLY AND WILL CAUSE MAJOR DAMAGE TO THE DRIVE.

- Test the drive operation using the keypad
- Stop the drive
- Turn off the power and wait for the display to go blank
- Connect the seven pendant wires and the earth screen as shown below
- Turn on the Power
- Press PRG/ESC
- Move up/down arrow buttons until P00.01 is displayed
- Press DATA/ENT
- Move up/down arrow buttons until 1 is displayed
- Press DATA/ENT - display changes to show P00.02
- Move up/down arrow buttons until P00.06 is displayed
- Press DATA/ENT
- Move up/down arrow buttons until 1 is displayed
- Press DATA/ENT – display changes to show P00.07
- Press DATA/ENT
- Move up/down arrow buttons until 2 is displayed
- Press DATA/ENT – display changes to show P00.08
- Press DAT/ENT
- Move up/down arrow buttons until 0 is displayed
- Press DATA/ENT – display changes to show P00.09
- Press DAT/ENT
- Move up/down arrow buttons until 1 is displayed
- Press DATA/ENT – display changes to show P00.10
- Press PRG/ESC – display will show P00
- Move up/down arrow buttons until P05 is displayed
- Press DATA/ENT
- Move up/down arrow buttons until P05.01 is displayed
- Press DATA/ENT
- Move up/down arrow buttons until 1 is displayed
- Press DATA/ENT – display changes to show P05.02
- Press DAT/ENT
- Move up/down arrow buttons until 2 is displayed
- Press DATA/ENT – display changes to show P05.03

- Press PRG/ESC TWICE – the display is now in running mode.
- Press the start button on the pendant
- It will now be possible to start/stop, reverse and speed up & slow down from the pendant, the keypad functions will now cease to work apart from changing parameters.

If there is a requirement to connect limit switches or additional stop buttons, these should be connected using normally closed contact devices connected in series to interrupt the BROWN 24VDC+ supply wire. When the supply to the pendant is momentarily interrupted the drive will stop.

Pendant connections to the drive. Behind front cover.

Wire Colour	Terminal Number	Function
BROWN	24+	
WHITE	S1	FORWARD
GREY	S2	REVERSE
PINK	GND	
BLUE	10V	Potentiometer High Side
YELLOW	AI	Potentiometer Centre
GREEN	GND	Potentiometer Low Side
Green/Yellow	PE	Earth screen

