

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 R/L1 (Live) –S/L2 (Neutral) & 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
- P00 will be displayed
- Press DATA/ENT
- Move up/down arrow buttons until P00.01 is displayed
- Press DATA/ENT
- Default setting is 0. Move up/down arrow buttons until 01 is displayed
- Press DATA/ENT - display changes to show P00.03
- Move up/down arrow buttons until P00.06 is displayed
- Press DATA/ENT
- Default setting is 0. Move up/down arrow buttons until 01 is displayed
- Press DATA/ENT – display changes to show P00.07
- Move up/down arrow buttons until P00.09 is displayed
- Press DAT/ENT
- Default setting is 0. 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 01 is displayed
- Press DATA/ENT – display changes to show P05.02
- Press DAT/ENT
- Move up/down arrow buttons until 02 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.

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



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.