

REMOTE CONTROL STATION (RCS) INSTALLATION INSTRUCTIONS FOR CONNECTION TO IMO iDRIVE EDX INVERTER.

The default settings for a new iDrive are arranged for keypad operation Stop/Start plus using the up/down buttons 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 T1 – T2 – T3 & PE (Earth).
- Connect the input single phase power 230V 50Hz to terminals L (Live) – N (Neutral) & PE (Earth)
- 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
- The “NPN/PNP” DIP switch should be in the PNP position
- The “V/I” switch should be in the V position
- Turn on the Power
- Press DSP/FUN
- Move up/down arrow buttons until A00 is displayed
- Press DATA/ENT
- Move up/down arrow buttons until 001 is displayed
- Press DATA/ENT - display flashes END and then shows A00
- Move up/down arrow buttons until A01 is displayed
- Press DATA/ENT
- Move up/down arrow buttons until 002 is displayed
- Press DATA/ENT - display flashes END and then shows A01
- Press DSP/FUN
- 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 PINK 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
PINK	3	24VDC +
GREY	4	REVERSE
WHITE	5	FORWARD
BROWN	8	24VDC – Return
BLUE	9	Potentiometer High Side
YELLOW	10	Potentiometer Centre
GREEN	11	Potentiometer Low Side
Green/Yellow	PE	Earth screen

