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Product	Optidrive E2

Title	E2 Parameter Keypad Control
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Summary	This document gives information on setting up the Optidrive E2 in keypad control
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NOTE: Please read in conjunction with the Optidrive E2 User Guide.

Keypad control – forward operation only

- Connect the E2 to the mains supply and motor according to the information in the E2 User Guide.
- Apply power to the drive so its display shows **StoP**.
- Set parameter **P-12 = 1**.
- Enable the drive by closing a switch between terminals 1 & 2 (24V and Run/Stop).
- Press the green RUN key. The display will show 0.0.
- Press the UP key. The frequency/speed on the display will increase until the UP key is released. The rate of acceleration is controlled by the setting of **P-03**.
- Press the DOWN key. The frequency/speed on the display will decrease until the DOWN key is released or the frequency/speed reaches 0.0Hz. The rate of deceleration is controlled by the setting of **P-04**.
- If the drive is running and the STOP key is pressed, the drive will decelerate to a stop under the deceleration ramp controlled by **P-04**.
- If the switch connected between terminals 1 & 2 is opened while the drive is running, the drive will decelerate to a stop under the deceleration ramp controlled by **P-04**.

Keypad control – forward & reverse operation

- Set parameter **P-12 = 2**.
- The operation is the same as with running in the forward direction only but while running, if the RUN key is pressed, the drive will ramp to 0.0Hz under the deceleration ramp setting and then accelerate back up to set speed in the reverse direction of rotation.

Setting a positive target speed

- Whilst the drive has StoP on the display, press the STOP key so the display shows the target speed.
- Use the UP and DOWN keys to set the required target speed.
- Once the target speed has been set, press the STOP key.
- Press the RUN key and the drive will accelerate up to the target speed.

Setting a negative target speed

- Whilst the drive has StoP on the display, press the STOP key so the display shows the target speed.
- Use the UP and DOWN keys to set the required target speed.
- Once the target speed has been set, press the NAVIGATE key and the display will show a negative target speed.
- Press the STOP key.
- Press the RUN key and the drive will accelerate up to the target speed.

Keypad start frequency

Parameter **P-31** can be used to set the frequency the drive starts up when the RUN button is pressed or after a power off.

P-31 = 0 - Minimum speed : When the RUN button is pressed, the drive will always start from minimum speed (0.0Hz as default).

P-31 = 1 - Previous speed (default) : When the RUN button is pressed, the drive will start from the speed it was running at before the STOP button was pressed or before the drive was powered off.