

Digital DRIVE for Brushless motor IMD Series



INSTALLATION GUIDE

Read manual before installing and respect all indications with this icon:



2-14- Error messages:

E01

DC Bus over-voltage : an over-voltage has been detected on the internal dc bus. This fault can be due either to an over-voltage on the supply or to the braking resistance being insufficient.

E02

DC Bus under-voltage : an under-voltage has been detected on the internal dc bus. This condition is only monitoring when the drive is active (Enable = ON, tension DC Bus voltage lesser then a drive's parameter) and when drive try to pass enable (DC Bus voltage lesser than 250V).

E03

I²t motor : I²t motor detected.

E04

Over-current : a current greater than the maximum current has been detected. The drive must be powered 24Vdc (Connector X6) for 15 min before it can be unlocked (iDPL v3.38 or higher). Immediate unlocking possible by computer in advanced mode.

E05

Short-circuit : a short-circuit between phases or between a motor phase and earth has been detected. The drive must be powered 24Vdc (Connector X6) for 15 min before it can be unlocked (iDPL v3.38 or higher). Immediate unlocking possible by computer in advanced mode.

E06

Temperature IGBT : maximum temperature attained in the drive.

E07

Temperature motor : maximum motor temperature attained.

E08

Resolver fault : Resolver feedback or absolute encoder or SinCOS signals defective.

E09

Invalid parameters : checksum error on the drive parameters or parameters not initialised.

E10

Drive type error : the parameter file does not correspond to the drive type or parameters not configured.

E11

iDPL error : an error has been detected during the execution of the iDPL tasks (division by zero, not correct instruction, CAM or synchro. movement error ...).

E12

Following error : the maximum following error has been exceeded. Contact technical support.

E13

FLASH memory error: impossible writting. Contact technical support.

E 14

FPGA error : impossible loading or CAN communication error.
Contact technical support.

E 15

Over velocity : motor velocity is higher than nominal speed in torque mode

E 16

Feedback saturation error. Feedback or SinCos signals are too high.

E 17

Power supply error (24v). Please check the power supply (see 1-2).

E 18

Error during a writing operation on the memory stick.

E 19

The loading from the memory stick to the drive have failed, because the datas are corrupted. The memory stick have been remove and update by the drive project.

E 20

External communication failed. The EtherCAT communication lost.