

Encoder Card CX-Synchro

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Application

The Encoder Card CX-Synchro is designed to be used in conjunction with serial controlled display units and the CX-Basic encoder board. The CX-Synchro board plugs into the CX-Basic board to add either 16 additional inputs, serial synchronisation port, or LCD display (plus pushbuttons) to allow on site settings of encoder.

The encoder has a serial communication port, used to connect to other CX-Synchro card to synchronise the real time clocks when LCD displays are being used. It also accepts signals like floor position code, as well as lift status signals like MAINTENANCE, OVERLOAD, OUT OF ORDER etc. through the additional 16 optoisolated inputs. The signals are then transmitted through SER1 of the CX-Basic board, which is a 4-wire serial communication link, to all the display units connected to it.

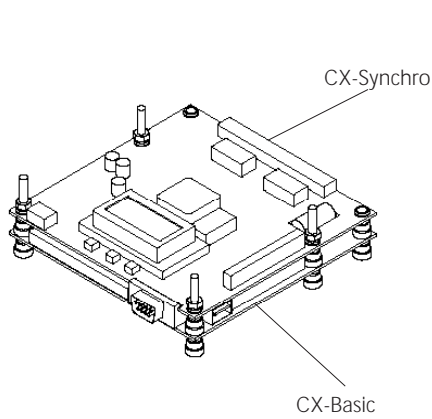
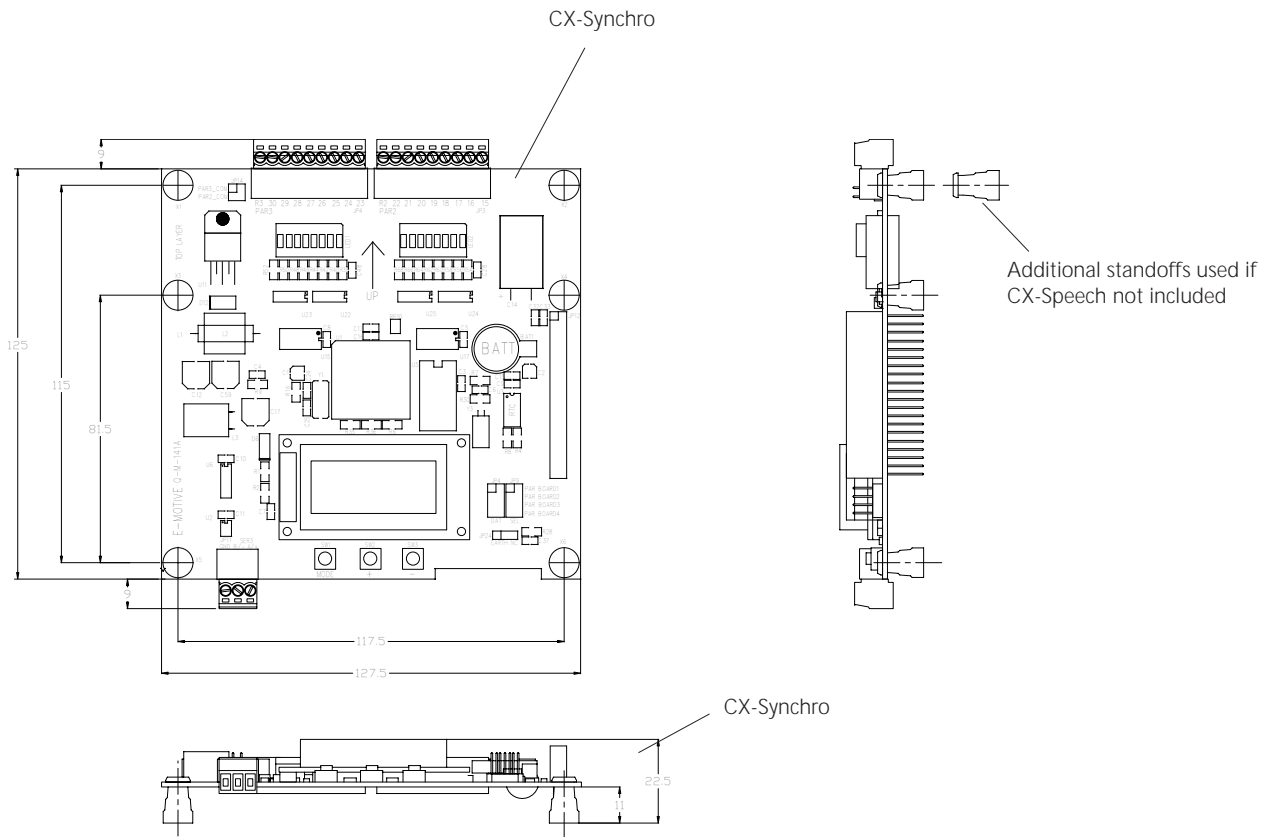
Specification

Power supply is derived from the CX-Basic board through the 16 bus connector optocoupled trigger inputs with two common returns. Signals can be an absolute maximum of 10V to 30V d.c. or 10V to 27V a.c. @20mA each. Typical input voltage allowed is $18V \pm 6V$ a.c./d.c. Bar LED's next to inputs, indicate status of inputs.

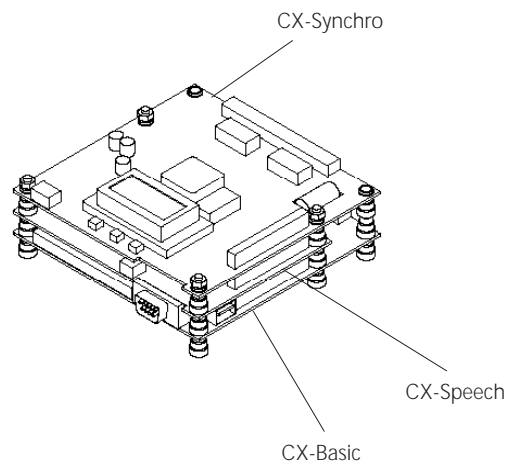
Three push button switches (SW1, SW2, SW3) together with an LCD display allows user to configure options and settings.

EEC Directives

This component has been designed with due consideration to both BSEN81 parts 1 & 2 and the EMC Regulation BSEN12015 and BSEN12016 for incorporation in a lift application.



Mounting option without CX-Speech



Mounting option with CX-Speech