

The LNKB is a simple configuration link selection PCB. It allows the user to select one of eight possible configuration settings on each of the two channels. It also assists in the suppression of radio frequency interference coming from any microprocessor PCBs mounted under it.

Fixing Centres

The physical dimensions, and the fixing centre positions are identical to those of the PCBs it is intended to complement (e.g. the PLB and ADIB).

RF Suppression Characteristics

The solid copper layers on the top and bottom of the LNKB are brought out to a terminal post which can be connected to earth. This allows the PCB to be used as a means of reducing the radio frequency emissions of any microprocessor systems directly beneath it.

Bus Interface

The LNKB is designed to interface with other PCBs in the range using the standard 10 way ribbon cable of the "PLB-bus" system.

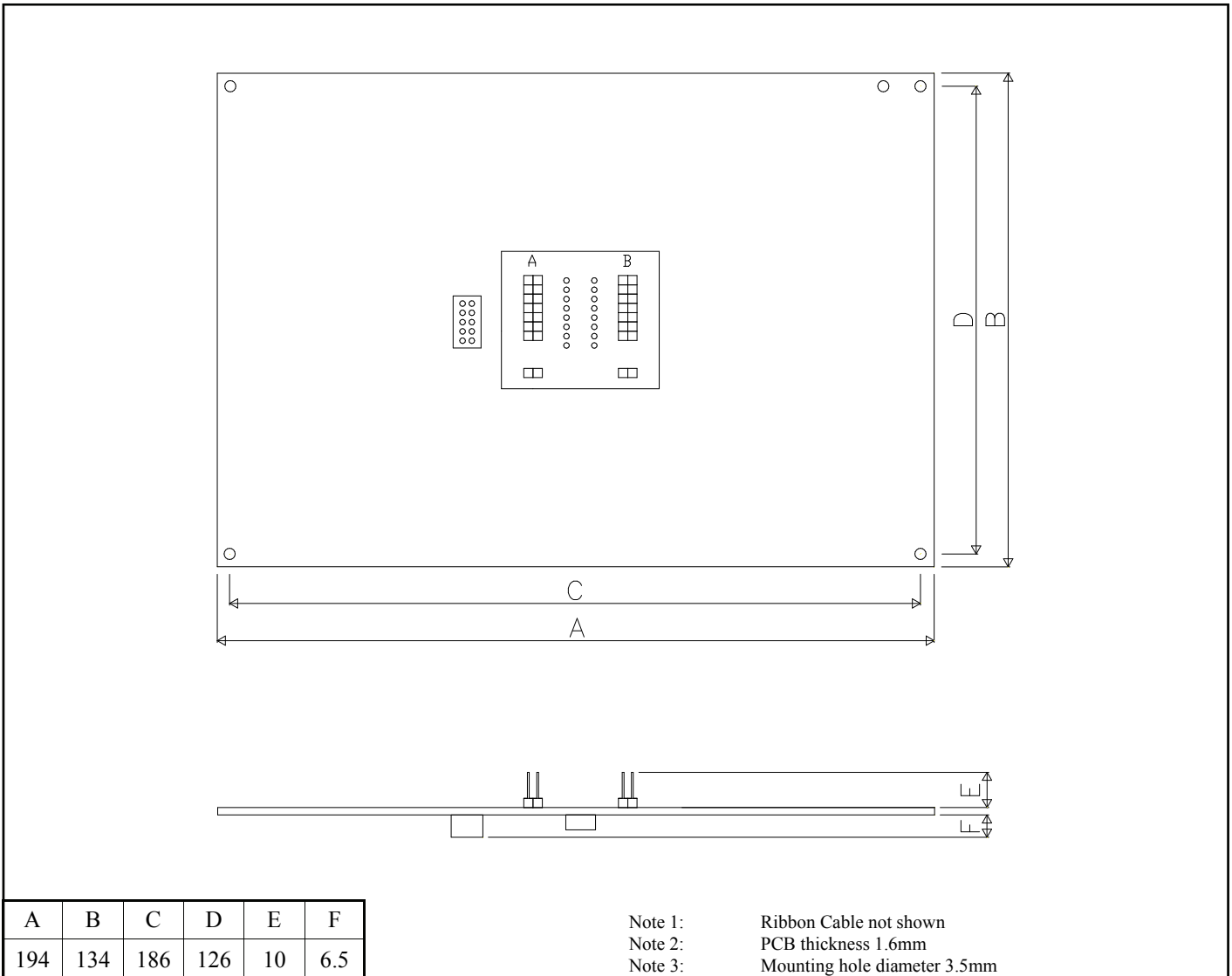
Applications

The picture above shows an example of an LNKB being used as a means by which the user can control the period of two timers used in a pressurization control system.

However, the uses to which the configuration values produced by the LNKB are put, are flexible and entirely dependant on the requirements of the application.

Example applications: set-point configuration on a level monitoring system, hysteresis control for a closed loop control system, channel selection for a digital process controller.

Dimensions



Specification

Nominal Supply Voltage:	Supply acquired from "PLB-bus" ribbon cable
Max. Operational Ambient Temp: ¹	50 Degrees centigrade
Min. Operational Ambient Temp: ¹	0 Degrees centigrade

- ¹ Temperature limitations are imposed by the sensitivity of the application software to which the LNKb supplies values, therefore an extended range can be achieved in some cases.