

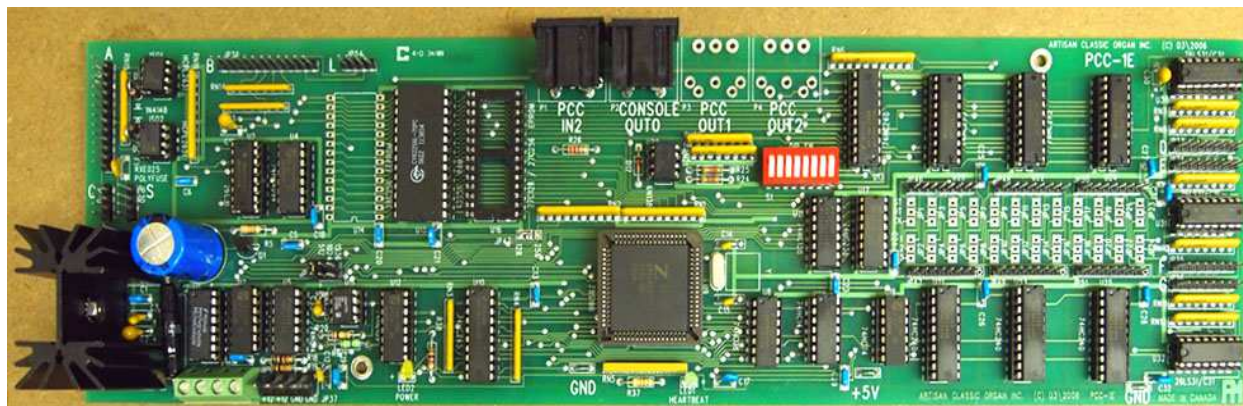
# Classic Organ Works

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## PCC-1E Pipe Control Computer Board



### Description

The Classic Pipe Control Computer Board, PCC-1E, is a revision of the PCC-1D with added optically-isolated inputs. These prevent ground loops and thereby reduce the susceptibility to lightning strikes.

Buffered outputs of the inputs are provided for expansion purposes.

The board can control up to 24 pipe driver boards, four of which can have RS422 drives. One RS422 output can be used to connect to a CDB-5A Chimes Driver Board.

Multiple output plugs allow the board to be used in "Legacy" systems with discrete systems or in "Grey Boxes".

A temperature sensor may be connected directly to the console input and is isolated from the main board circuitry.

One MIDI input is available for the drive from electronic organ consoles. There are also two MIDI outputs to drive MIDI devices from the PCC-1E. Another output is for a separate output from the console.

Supply voltage ranges from +9V to +35V, nominally +12V, from a chamber supply isolated from the console supply.

### Features

- Balanced RS422 inputs.
- Optical isolation of inputs to prevent ground loops.
- Repeater output to connect to another chamber or Walker Digital Tone Generator.
- Multiple MIDI connectors.
- Power: 9 to 35V at 1/2 Amp max.
- Approximate dimensions:  
14.0" x 4.0" x 2.00" (w x h x d) (35.56 x 10.16 x 5.08 cm)

### Applications

The PCC-1E board is used only in Legacy systems to convert the serial output from the console to control up to 24 pipe-magnet driver boards.

Typically, there would be one PCC-1E per chamber.

The PCC-1E can be used to control up to four boards with pizzicato action.