Classic Organ Works

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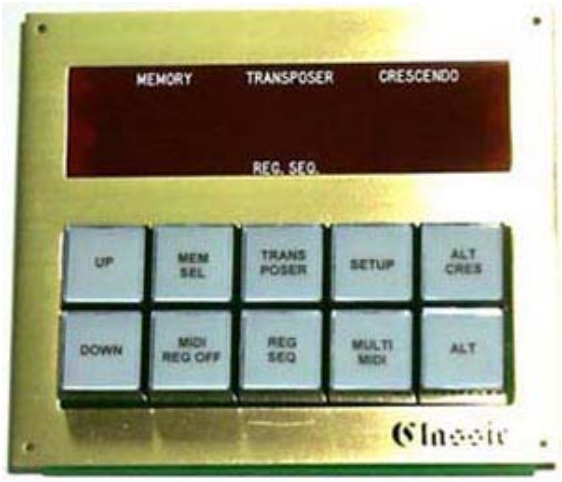
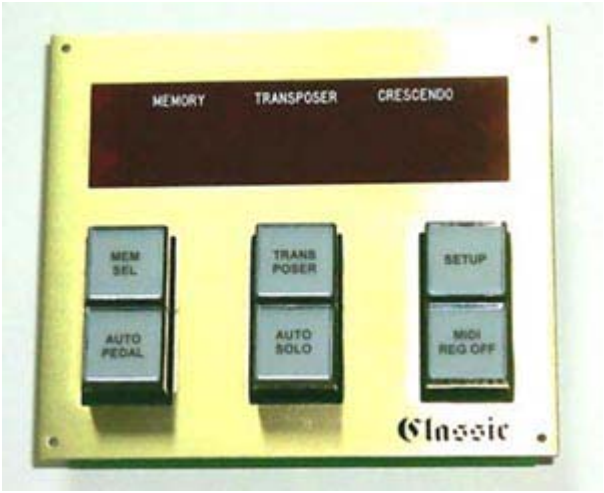
CONTROL PANELS WITH DISPLAYS

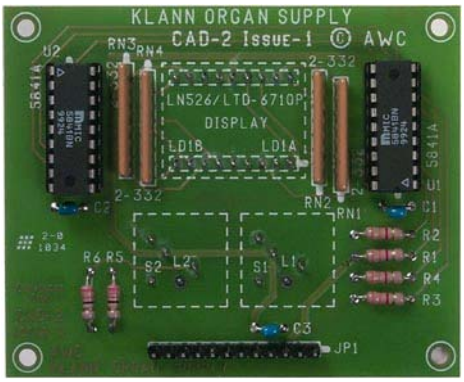
CTRL-1, 2 Control Panels





- Our standard type of Control Panel which is compatible with both matrixed piston wiring directly to a CCC, or with parallel wiring to a CCU (packaged system).
- The basic format is ten pushbuttons (CTRL-1/10), but a partly-loaded version with only six push-buttons in three vertical pairs is also available (CTRL-1/6).
- Push-buttons may be used for any control function required by the Console Control Computer.
- Large, lighted, re-legendable, ¾"-square EAO push-buttons.
- Legends are laser-printed on clear film (in any font) and are inserted in the switch cap.
- Lamps are 12-14V bi-pin type and are replaceable by removing the switch cap.
- Display equivalent of a DB-6 numerical display for three pairs of numbers 00–99 on a CTRL-1. The CTRL-2 has an extra digit on the Memory display catering for up to 254 memories.
- The display has red, half-inch high, seven-segment numerical characters.
- If the ALT function is required, it must be in the lower-right position (see picture above).
- Panel size is 4.6" wide by 4" high with a black-anodised finish (or polished brass to special order).

CAD-2 Control Panel



- For those "odd" jobs needing only two push-buttons and a dual-digit numerical display.
- Either push-buttons or display can be omitted.
- Large, lighted, re-legendable, ¾"-square EAO push-buttons.
- Legends are laser-printed on clear film (in any font) and are inserted in the switch cap.
- Lamps are 12-14V bi-pin type and are replaceable by removing the switch cap.
- Serially-driven display matches a DB-2.

- Push-buttons are under the display.
- Push-buttons may be used for any control function required by the Console Control Computer.
- Black-anodised bezel available for this panel (picture shows rear view).

Custom Control Panels

- We can provide other types of control panel to special order. For example:
- Black-anodised and brass panels have been made with individually-mounted Switchcraft push-buttons in various quantities, with or without a display. These are 5" wide x 4.5" high but otherwise similar to a CTRL-1.
- A tall, thin, brass panel (10" wide x 2.75" wide) has been made to mount three DB-2 displays one above another, as well as 8 Switchcraft push-buttons, where space was limited on the jambs of a drawknob console.

PBM-2 Control Panel

- A custom panel for those "odd" jobs needing only two push-buttons and a triple- or dual-digit numerical display (usually for the MEMory function).
- Serially-controlled 3-digit display with two adjacent Eao push-buttons stacked vertically to the right of the display.
- Either push-buttons or display can be omitted.
- Display matches a DB-2 with red, half-inch high, seven-segment numerical characters.
- Display is dimmable.
- Large, lighted, re-legendable, ¾"-square EAO push-buttons.
- Push-buttons may be used for any control function required by the Console Control Computer.
- Push-buttons serially encoded but encoder can be omitted if direct switching required.
- If direct switching used, a link allows common to be either +5V or an external supply (+12V).
- Can expand push-button inputs to 8 (each with a lamp) (using CTRL-1 or 2, PBM-43, 81 or 82, or pistons).
- System comprises a PBM-2 to mount the displays and push-buttons and a "piggy-back" PBD-2 which plugs onto it and contains all the electronic circuitry.
- Requires MRM-1 board to drive it (as used in the MRCP). However, if only the display is required, it is possible to drive it serially using Data, Clock and a suitable Strobe signal from the CCC, providing that the wire length is not too great. The display would not then be dimmable.
- Display and Push-button control connections same as for PBD-1 and NDD-1 (used in the MRCP).
- Several such boards can be cascaded if dimmable displays are needed for existing Memory, Transposer, Crescendo, etc., but MRM-1 regulator limits the total current.
- PBD-2 requires 0.3" more height at the top (0.1" less at bottom) and 0.35" more at the right (0.1" less at the left). So total width behind panel is 3.35" x 1.9".
- Minimum bezel size is approximately 2.4" wide x 1.6" high for a 'T' cutout, or 3"x1.6" for a rectangular cutout.
- A black-anodised panel suitable for a three-digit display and two push-buttons is available at 3.2" wide by 1.8" high (could be even less but requires more space behind).

