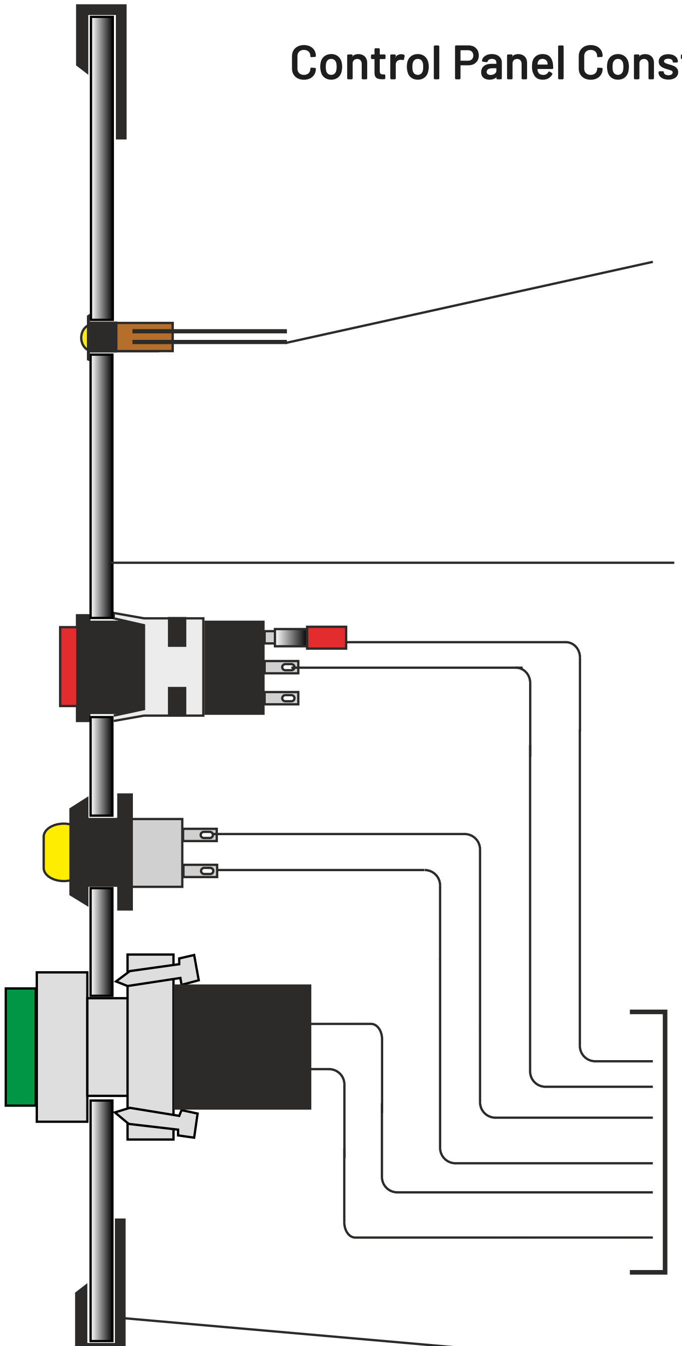
ANODIZED ALUMINIUM GRAPHIC CONTROL PANELS

Control Panel Construction



T-1 3/4 LED (red, green, yellow, or amber) mounted through the panel, secured by a grommet and wired with a two-pin connector. Resistors and diodes are mounted on remotely located printed circuit boards.

.125" brushed anodized aluminum panel with holes for mounting panel devices as required. The anodizing process meets MIL Standard-A-8625, Type II, Class I specification for clear or non-dyed coatings and Class II specifications for colors; red, blue, green, yellow, turquoise and brown.

Switch wiring is terminated on multi-pin connectors or modular screw clamp type terminal strips mounted in the rear of the enclosure.

Black anodized extruded aluminum T-1 frame.

Automation Displays inc.

Custom Design & Manufacture

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ANODIZED ALUMINIUM GRAPHIC CONTROL PANELS

ENGINEERING/ARCHITECT SPECIFICATION

1.0 General
This specification defines the basic construction and components for an anodized aluminum control panel.

2.0 Construction
The control panel shall be constructed of .125 inch anodized aluminum. LEDs, switches and other devices shall be mounted through the panel face as required. Wiring shall be grouped and tie wraps shall be placed at intervals of not less than 4 inches. Wire runs shall be provided as required to assure a neat appearance and access to the panel devices.

2.1 Trim Edge (optional)
A black anodized T1 trim edge shall frame the panel.

3.0 Anodized Graphic
3.1 Graphic Colors
The anodized plate shall have a graphic or linear image as shown in the Engineer/Architect plans with either black background, clear graphics and legends or clear background, black graphics and legends (standard 2-color process) as defined in the project specifications.

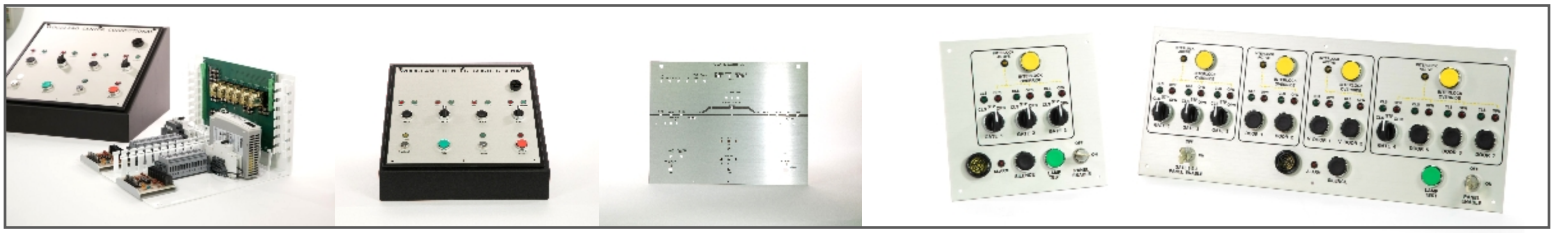
3.1.1 Graphic Colors (optional)
The anodized plate shall have a graphic or linear image as shown in the Engineer / Architect plans. A four-color process shall be used to apply multiple colors to the anodized surface. Colors specified for highlighted areas shall be red, blue, green, yellow, turquoise, and brown.

3.2 Graphic Surface
The anodized graphic plate shall be straight lined (brushed) to provide a non-glare "grain" across the face of the panel. Holes shall be provided through the anodized plate for the LEDs and other panel devices as required.

3.3 Anodizing
Anodizing is an electrochemical process that restructures the surface of the aluminum into a layer of aluminum oxide. The anodized coating, approximately .0007" in thickness, is porous in nature and shall allow for the introduction of selected colors. The dye colors and a layer of nickel acetate shall be sealed in the aluminum plate. This process shall increase resistance to abrasion and increase the ultraviolet stability of the pigment colors.

4.0 Panel Devices
ADI offers a wide variety of panel devices specific to the environment and control application. Switches shall be as specified by the engineer/ architect. Typical switches used are (but not limited to): ITW Series 59, Otto P3 Series, Stainless Steel Anti-vandal, Allan Bradley 800 T/H & 800F series, Schneider Electric Harmony 22mm and 30mm switches. LED indicators shall be high intensity LEDs. Mounting options are through the panel mounting and behind the panel.

6.0 Enclosure
The enclosure or desktop turret shall be made of cold rolled steel and assembled using all formed and welded steel construction. The enclosure shall be primed and painted with baked enamel and have a textured finish. The architect shall approve size and style of the enclosure.



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