

SPECIFICATION FOR A LASER ETCHED STAINLESS STEEL CONTROL PANEL WITH LEDS & CONTROL SWITCHES

1.0 GENERAL

This specification defines the basic construction and components for a Stainless Steel Detention Grade control panel with laser etched lines and text. This panel option is our most durable control panel option for harsh environments including detention and security projects. The panel shall have graphics and/or text describing indicators, switches or other devices and functions of the panel. The panel shall be mounted on a custom control console, desk top turret, wall mounted, rack mounted, or other enclosure as required.

2.0 CONSTRUCTION

The panel shall be constructed of 14 gauge #304 stainless steel with No. 4 non-glare finish that is durable and scratch resistant. The panel has laser etched lines and text that is black (C-MARK) and consistent throughout the panel. Panel will be punched or Laser cut for switches, indicators and other devices as required. Wiring shall be grouped and tie wraps shall be placed in intervals of not less than 4 inches. Wire runs shall be provided as required to assure neat appearance and access to the panel devices.

3.0 LASER ETCHED GRAPHICS AND COLORS

The Laser Etched artwork shall be as shown in the Engineer/Architect plans with clear stainless background and black (C-MARK) lines and legends.

4.0 Panel Devices

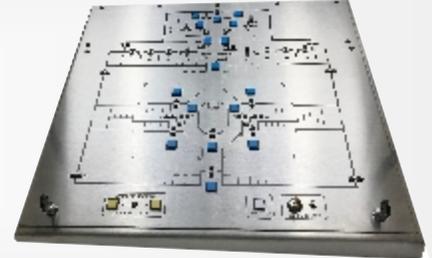
ADI offers a wide variety of panel devices specific to the environment and control application. Switches shall be as specified by the engineer/architect. Typical switches used are (but not limited to): ITW Series 59, Otto P3 Series, Stainless Steel Anti-vandal, Allan Bradley 800 T/H & 800F series, Schneider Electric Harmony 22mm and 30mm switches. The indicators shall be panel mount series high intensity LEDs with built in resistors and push-on connectors. Chicago Miniature LEDs 1904xxxx series or as approved for the project.

5.2 WIRING

All panel devices shall be wired to numbered terminal blocks, Multi-Pin Connectors or other electronics as defined for the project. All wires and terminals shall be UL Listed and designed to carry the load as defined by the National Electrical Code. (NEC)

6.0 ENCLOSURES

Desk top turret or other enclosures shall be made of cold rolled steel with powder coat finish and assembled using all formed and welded construction. Size and style of the enclosures shall be approved by the



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