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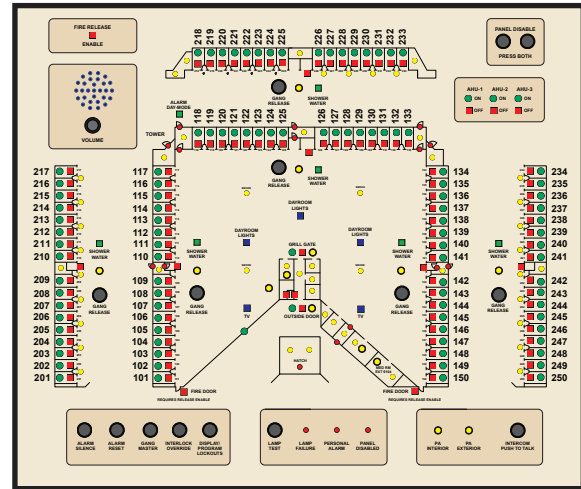
DETENTION ELECTRONIC SYSTEMS
ETECH CONTROLS CORPORATION - MANUFACTURER
 4051 ALVIS COURT #3, ROCKLIN, CALIFORNIA, USA 95677
 TEL (916) 630-1300 • FAX (916) 630-1100 • FREE (800) 800-2523

MODEL GCP-SWITCH

MANUAL SWITCH PANEL ASSEMBLY

FEATURES:

- BAYER BRAND POLYCARBONATE OVERLAY
- LONG LIFE SWITCHES AND LEDs
- HIGH RESOLUTION GRAPHICS
- FULLY ASSEMBLED AND TESTED
- EASY MAINTENANCE
- 2 YEAR WARRANTY



FUNCTIONAL DESCRIPTION:

The manual switch panel interfaces the operator with separate control electronics equipment, providing both LED status indication and tactile switch feedback upon operation. Various switch and LED types are available to suit the application.

LAMINATED CONSTRUCTION:

A hardcoated polycarbonate (Lexan) working surface, intermediate vinyl, aggressive adhesive layers, and an aluminum baseplate material are carefully laminated together to produce a control panel that provides the best combination of durability, scratch resistance, and textured non-glare features. The laminated plastic overlay is typically 22 mil thickness and the aluminum baseplate is either 1/8" or 3/16" thickness, depending on panel size. A continuous plastic edge trim finishes the assembly and prevents de-lamination at the panel edges.

HIGH RESOLUTION GRAPHICS:

High resolution graphics are provided, in up to 16.7 million photo-realistic colors, and are protected inside the plastic overlay laminations.

SWITCHES / LEDs:

Microswitch AML, EAO, Telemecanique, or stainless steel vandalproof switches are provided to best suit the required operational characteristics and the floorplan graphics scale. LEDs are high intensity and long life. Switch and LED connections are quick disconnect wherever possible for ease of maintenance service.

PANEL SHOWN TYPICAL OF OVER 200 CALIFORNIA STATE PRISON PANELS - 270 HOUSINGS

SWITCH TYPE:

Microswitch AML
 EAO
 Telemecanique
 Stainless steel

ACTUATION RATING:

25,000 silver / 100,000 gold
 2,000,000 silver / 5,000,000 gold
 150,000
 300,000

WIRING:

Hardwired panels are connected with stranded 25 pair cables and telephone type quick disconnect plugs. Audio signals are connected via twisted / shielded pair cables. Miniature plastic wiring ducts and cable strain-reliefs are provided to securely retain the wiring while providing complete accessibility for ease of maintenance service.

Panels can also be provided with HC-0701 Remote Panel Controller(s) for RS-485 communication with Programmable Logic Controllers and / or computers. Four HC-0731 16 Point Adapters, or two 25 pair telephone type cables, are required to connect from an HC-0701 to 128 switches and 128 LEDs. A single twisted / shielded data pair cable connection provides for full communication. The modules are mounted on the backside of the panel when space allows, or on a separate backpanel that must be mounted directly under the facepanel.

OPTIONS:

1. HC-0701 Remote Panel Controller(s) for PLCs
2. HC-0806 LED supervision (hardwired panel only)
3. Label holders at each cell for inmate identification
4. Other features as required

