

# Control Panel Technology

Controls can be as complex or as simple as you desire or as your system may call for. Initially, control panels consisted of boxes with simple pushbuttons to activate a barrier system. Due to advances in technology, control panels can now be more complex laser-etched panels made up of switches and lights. Control panels can also utilize a completely programmable touch screen system, similar to mobile devices used today. As shown in the examples below, push-buttons are available in several different sizes and colors, as well as illuminated or non-illuminated. Push-buttons may also have covers to provide a two-step process for activation to help avoid an accidental deployment of a barrier (Emergency Fast Operation (EFO) for example). The touch-screen application is almost limitless in its possibilities, since the programming may include layout pictures, graphics, touch logs and multiple screens, etc.



1. Basic Exterior Wall-Mounted Remote Control



2. Basic Interior Wall-Mounted Remote Control Panel



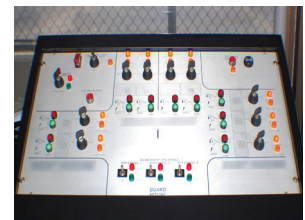
3. Basic Interior Desk-Mounted Remote Control Panel



4. Basic Interior Desk-Mounted Remote Control Panel



5. Complex Interior Desk-Mounted Master Control Panel



6. Complex Interior Desk-Mounted Master Control Panel



7. Custom Touch-Screen Remote/Master Control Panel



8. Custom Touch-Screen Remote/Master Control Panel



9. Exterior EFO Remote Control Panel

Every security barrier configuration is different depending on equipment, traffic patterns, personnel manning and security level. Each application must be analyzed for the most effective control panel to be installed. Placement of controls within the secure area is also important. Easy access to the controls along with good vision for the security personnel is vital to effective operation.

A traffic pattern theory of operation should be developed and fully understood before the barrier system and its control panels are installed.

**Applicable Standards** (at a minimum):

- UFC 4-022-01 Security Engineering: Entry Control Facilities/Access Control Points
- UFC 4-022-02 Selection and Application of Vehicle Barriers
- UFGS 34 71 13.19 Active Vehicle Barriers
- UFGS 34 41 26.00 10 Access Control Point Control System



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