

# Top Door Alarm®

## Product Information

US Patent 8,646,206 B2



Top Door Alarm® is an effective detection and notification system alerting caregivers of potential acts of self-harm when a door is used as a ligature point.

### PROACTIVE Presence Detection

Top Door Alarm® is the only suicide door alarm system in the industry to offer state-of-the-art photoelectric beam detection which detects PRESENCE before pressure is ever applied to the door. No longer is a facility required to wait until an actual event is in progress to notify staff for emergency assistance. Top Door Alarm® is recognized as an effective patient safety solution by the Facility Guidelines Institute's *Design Guide for Behavioral Health Facilities*, and the New York State Office of Mental Health's *Patient Safety Standards, Materials and Systems Guidelines*.

### Presence Detection Technology

Protected by specially designed ligature-resistant casings, photoelectric beam sensors are strategically positioned to detect the presence of any foreign object interrupting the thru-beam between the transmitter and receiver, and provide maximum door detection on corridor, bathroom or therapy room doors.

### TOP Door Presence Detection

Photoelectric beams installed on the door frame header and top door face detect the immediate presence of a foreign object, such as a bed sheet, towel or clothing, when placed over the top of the door.

### BOTTOM Door Presence Detection

Photoelectric beams installed on the bottom door edge detect the immediate presence of a foreign object being slid under the door in an attempt to create a ligature point.

### CUSTOMIZED Detection Solutions

Top Door Alarm® provides customized solutions for both new installations and retrofits.

### Alarm Notification

Top Door Alarm® offers multiple audible and visual alarm notifications to alert staff of a pending act of self-harm including:

- Strobe or fixed light at each hallway doorsite;
- Hallway horn; and
- Visual and audible room display panel located in the nurse's station.

TOP and BOTTOM door  
PRESENCE detection



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### Display Panel

Positioned in the nurse's station for constant patient monitoring, the Top Door Alarm® touch screen display panel is connected to the facility's emergency power supply and supported by an internal battery backup system to ensure patient safety and system integrity in the event of a power failure.

- **Capacity** – customized design provides coverage for up to 60 doors per control panel.
- **Self-Monitoring** – built-in features allow the system to continuously verify circuit and power supply integrity.
- **Event Logging** – records time stamped history of up to 200 events that are downloadable for 365 days via USB.
- **Touch Screen Remote Display** – provides a convenient and cost effective solution for multiple nurse stations to interface with one master control panel.
- **By-Pass Options** – allows a facility to by-pass a single room or group of rooms and continue to maintain system-wide integrity.
- **Silent Test Option** – allows the facility to test the system without disturbing patients.
- **Remote Diagnostics** – built-in programming and internal dialer allows for remote diagnostics using a dedicated data line.

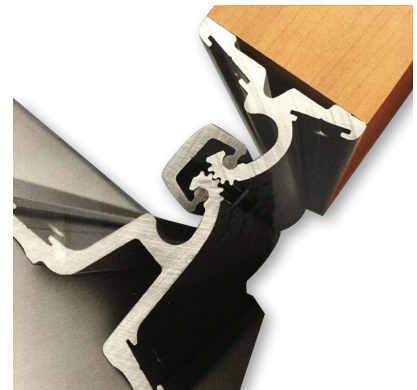


Touch Screen Display Panel

### Hinge Retrofit

Top Door Alarm® accommodates new installations and hinge retrofits including:

- **Center Pivot** - integrates with non-handed, double acting doors.
- **Continuous** - replaces existing conventional butt hinges with an electrified heavy duty continuous hinge with hospital tip on both full surface, full mortise and double swing applications.



Double Swing Hinge (Optional)

### Local Keyed Reset Switch

Top Door Alarm® is designed to allow alarm deactivation at the point of incident with the Local Keyed Reset Switch.

- Positioned in the wall beside the door jamb.
- Cylinder is keyed by customer for added security.
- System deactivation and reactivation occurs simultaneously.

### Integrated Safety Solutions

Top Door Alarm® is designed and proven to work in conjunction with other behavioral healthcare products to provide ligature-resistant hardware and barricade-resistant opening patient safety solutions.

Manufactured by:  **Door Controls USA, Inc.**



Keyed Reset Switch