

QuietDoor™ - HTs

High Traffic Sliding Radio Frequency Shielded Door

The extremely low maintenance requirements of the QuietDoor-HTs make it the perfect radio frequency shielded door solution for high-traffic EMI/RFI systems. The compression-type seal offers exceptional shielding effectiveness while eliminating the constant wear and oxidation seen with conventional RCM shielded doors.



Features

- Designed for high traffic applications (>200,000 cycles per year)
- Fingerless, low maintenance RF seal
- Linear motion guide keeps door motion smooth and precise
- Standard, fully rectangular clear opening of 915mm (36") x 2135mm (84") with custom sizes available
- Mounted in a modular shielded closet that mates easily with standard modular or welded enclosures
- Programmable Logic Controller (PLC) based pneumatic controls

Operation

- Push-button or card swipe/keypad activation
- Standard fully automated operation
- Door slide speeds and close delay are completely customizable to user specifications

QuietDoor-HTs Shielding Effectiveness Levels

Magnetic Fields	20 dB at 1 kHz, rising to 65dB at 10 kHz and 105 dB at 200 kHz
Electric Fields	120 dB from 200 kHz to 50 MHz
Plane Waves	120 dB from 50 MHz to 1 GHz
Microwaves	110 dB at 10 GHz
Shielding Effectiveness Testing Standard: ITSG-O2	

Safety

- Upon loss of air pressure or electrical power, the system automatically unlatches for easy egress with the manual handle
- Life Safety Systems (LSS) such as fire alarms can be interfaced directly to the PLC to unlatch all doors in case of an emergency
- Standard pressure sensors spanning the entire height of the leading edge of the door to help protect against accidental closings while equipment or personnel are in the path of the door

Warranty

- Two-year limited warranty

System Requirements

- 115VAC 15A Circuit
- 110 cfm clean dry compressed air