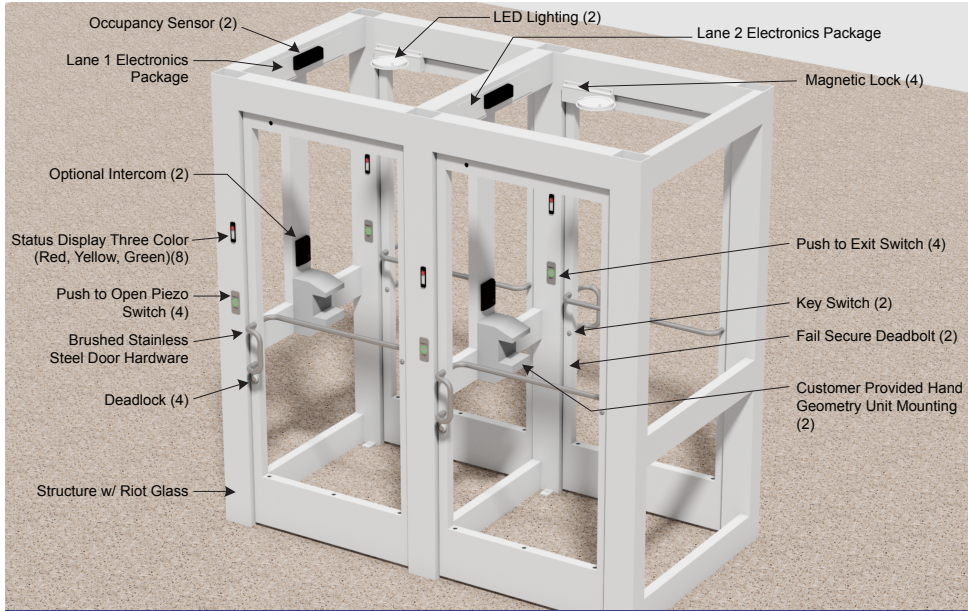




# ISOTEC

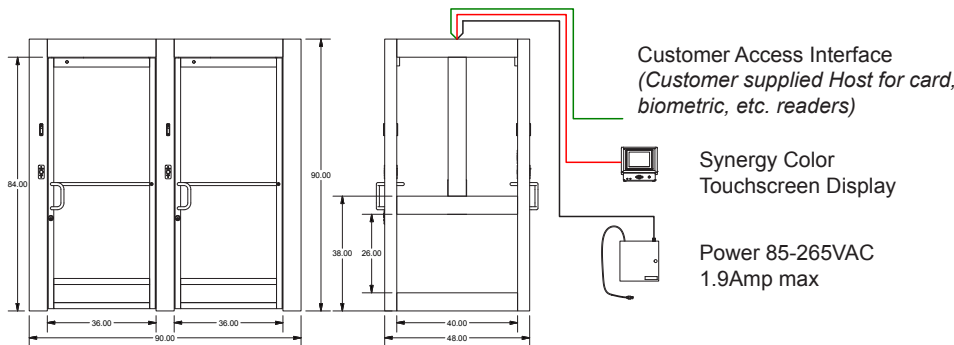
Protect What Matters

## Product Data Sheet - Model 4890D Access Control System



The Model 4890D Access Control System, consist of a heavy duty ¼" aluminum wall construction, Isotec's proprietary interlock controller, and modular software to provide control capabilities for virtually any application. Isotec offers remote monitoring and control via the Synergy Touchscreen Console along with years of experience integrating combinations of devices for required safety & security protocols.

Isotec products can be designed and built for site-specific applications. The Synergy Console integrates portals and disparate technologies to form a seamless access control system. **Call us today at 303.974.7699 or visit our website at [IsotecSecurity.com](http://IsotecSecurity.com) for more information.**



Synergy Color Touchscreen Display

### Optional Equipment and Services

#### Ballistic Glass Upgrades

**UL Level 1-3 Ballistic Protection** - From 9mm to .44 Magnum and equivalent handguns.

**UL Levels 4-8 Ballistic Protection** - (Contact Isotec for additional information).

#### Occupancy Upgrades

**Anti-tailgating Sensor** – Enforces single occupancy rule and passage.

#### Communication

Intercom options are available for two way communications over Digital 2 wire stations, Analog 4 wire stations, IP or a combination of both.

#### Video and Related

Video packages are available from single camera and monitor to complete I/P system.



Made in the U.S.A.



Contract Holder  
Contract GS-07F-040BA



## Base System Description

### Construction

The Model 4890D structure is fabricated from 1/4" wall extruded high tensile strength aluminum tubing, providing an extremely durable platform for a number of applications. The structure is fitted with 36"x84" narrow stile heavy duty doors, concealed closers and related hardware to accommodate heavy loads from a variety of ballistic composite panels up to level VIII. The standard panels, provided in this structure, are certified to meet UL 972. Each door is provided with 1" diameter solid brushed stainless steel push bar and pull handles to provide an attractive appearance to the structure.

All aluminum components are finished in a durable White Textured Powder Coat Paint with UV inhibitors for external applications. Other colors are available to match site-specific requirements.

### Control Devices

Each door has a heavy duty overhead 1200lb magnetic lock and appropriate

sensors for reliable operation. Also provided is a fail secure deadbolt lock on the high side door in case of power, control or lock failure.

Each Access Control System is provided with a Programmable Logic Controller providing capabilities to expand to any configuration required by the client. The controller and all selected devices are powered by a 24 volt 6.5amp power supply all located in a lockable, tamper protected swing down ceiling panel also supporting interior lighting and various devices as may be required. All devices are wired to a distribution terminal block also located in the ceiling and accessed through two conduit stubs at the top of

the structure. Power is routed through a 3/4" conduit stub while all external signals are routed out through a 1-1/2" stub.

Four status displays are provided to guide the occupant through the use of the system with three long life, high intensity colored LEDs. ('Red' indicates the system is in Out of Service or that Access has been Denied, 'Yellow' indicates that the system is Busy and 'Green' indicates the system is Ready for Use. Additional states are also available.)

An I/R presence sensor, located in the ceiling, indicates when a user has entered the system. This sensor is not affected by external changing light. This sensor when coupled with the Isotec's Anti-tailgating technology provides for compliant single occupancy monitoring of the entire structure.

A push button switch provided on the interior low side door column allows the occupant to escape if an emergency occurs. This switch is finished in red enamel paint and has white filled letters that read "Emergency Door Release."

Two additional push button switches are provided at each interior door column to allow a user to exit the door entered. This switch is finished in green enamel paint and has white filled letters that read "Exit Release."

Access into the system is provided through a set of switches located on the exterior columns. Each plate is finished in silver enamel paint with white filled letters that read "Push to Open". These switches may be replaced by a customer supplied card reader without running any additional wire.

### Remote Monitoring and Control

The Synergy Operator Console is provided with each system to monitor & control all functions of the Access Control System, including diagnostics, "on screen" history logs, and help menus.

