



Door Security

# Door Detective Plus & SG<sup>®</sup>

## DD Plus & SG Guide for a Successful Installation

This guide will help integrators succeed in installing Door Detective Plus & SG models. The full installation manual that ships with the product has detailed instructions.

### Installation Time

First-time installers should expect to spend 45-60 minutes mounting and powering the Door Detective and another 1-2 hours on access control system integration.

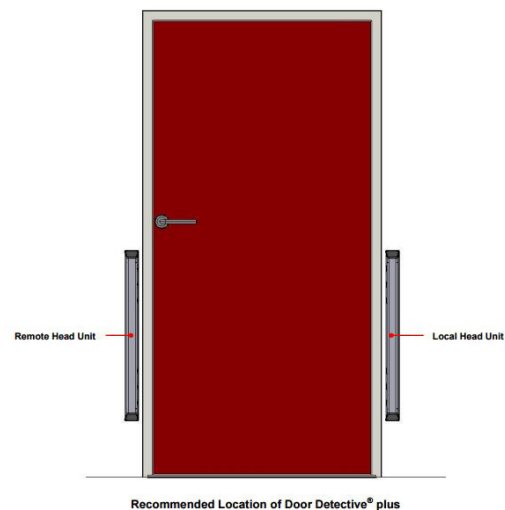
## Physical Mounting

There are two units that must be mounted:

- Local unit (receive) - for primary connections
- Remote unit (transmit)
- Always mount the LOCAL/receive unit on the RIGHT.

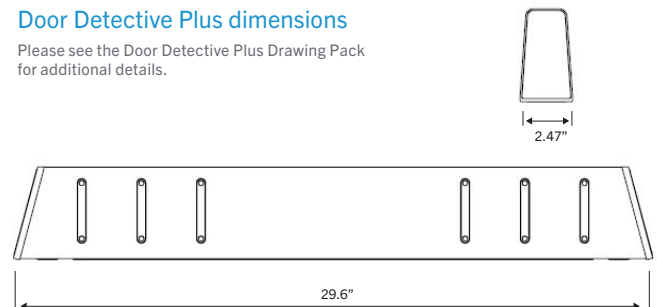
Both units must be mounted:

- On the side of the doorway opposite the swing
- As close to the door frame as possible
- Exactly **9.8”(250 mm)** from the floor to the bottom of unit
- No more than **78.74” (2000 mm)** max



### Door Detective Plus dimensions

Please see the Door Detective Plus Drawing Pack for additional details.



## Power & Cable

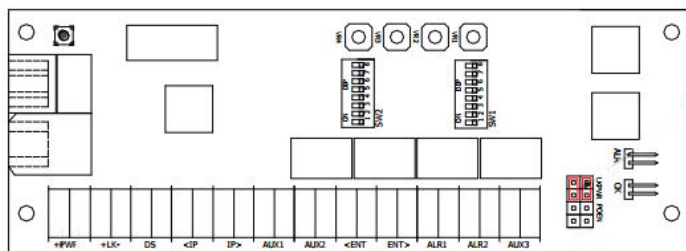
It is **STRONGLY** recommended that you use the 48V PoE power supply that comes with the system.

If you purchased the optional 12vdc power supply, please see pages. 20/33 in the Door Detective manual for details on configuring the system. If you plan to use an alternative power supply, please contact Smarter Security.

## Access Control System (ACS) Integration

Only three of the ten inputs/outputs are typically used:

- 2 wires input, normally open, for the request to enter (<IP)
- 2 wires output for the alarm (AL1 most often)
- 2 wires inputs for Door Sensor.



We recommend hooking a Door Sensor to all Door Detectives.

### Exit options

#### 1. Free egress

An input from the ACS is not required for free egress. A simple wire short on the request-to-exit input (IP>) is all that is needed.

#### 2. Card out

Card out is achieved by creating two logical doors (as output from the ACS) to represent the single physical door. Connect the two wires to the request-to-exit input (IP>).

Door Detective Plus & SG units connect together with a Cat 5 cable that ships with the system.

### IMPORTANT:

Every ACS connection is dry.

Connector	Description
LK	Lock output
DS	Door sensor
<IP	Single authorized entry
IP>	Single authorized exit
AUX1	Visitor entry
AUX2	Visitor exit
<ENT	Person count entry
ENT>	Person count exit
ALR	Alarm
ALR	Alarm
AUX3	Fire

More detailed descriptions are on pages 19-25 of the Door Detective Plus manual.

**Note:** certain ACS require special configuration for Door Detective to function properly. Contact Smarter Security for additional documents that assist further.