



# HS-CAB Series Cabinet

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## Installation Instructions

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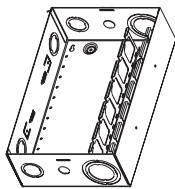
### Introduction

The HS-CAB100, HS-CAB200 and HS-CAB300 are Concourse Home Systems wiring solution cabinets specifically designed to house and protect the Concourse Home Systems telecom, data, video, security, audio and other modules. These cabinets can either be flush mounted between standard 16" centered stud spacings or surface mounted.

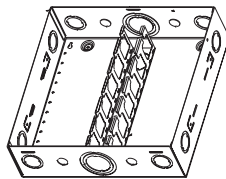
**HS-CAB100** - 14.25 inches high x 9 inches wide x 4 inches deep with a wire raceway positioned on the right side of the cabinet. The cover is 15.3 inches high x 10 inches wide.

**HS-CAB200** - 14.25 inches high x 14.25 inches wide x 4 inches deep with a wire raceway in the center of the cabinet. The cover is 15.3 inches high x 15.3 inches wide.

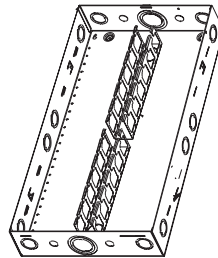
**HS-CAB300** - 28.5 inches high x 14.25 inches wide x 4 inches deep with a wire raceway in the center of the cabinet. The cover is 29.6 inches high x 15.3 inches wide.



HS-CAB100



HS-CAB200



HS-CAB300

### Contents of Package

Before installing the cabinet, confirm that the package contains the following parts:

- one cabinet
- mounting hardware
- raceway cover(s), lockset and cover.

## Installation Instructions

### **Location**

Choose a location where the temperature will not drop below 0°C or go above 50°C and where the humidity will not create condensation on the cabinet or on the installed modules.

**Note:** *Locating the cabinet in a garage, attic or damp basement is not recommended. Install the cabinet in an easily accessed location for service and future upgrades and within 2 feet of a 120V<sub>AC</sub> outlet.*

### **Flush-Mount Installation**

(Assumes installation will be between 2 x 4 or larger studs on 16" centers, 14.25" opening.)

**Note:** *The HS-CAB100 is only 9 inches wide and will require additional bracing for a secure flush mount installation.*

1. Position the cabinet between the studs with the front of the cabinet protruding to the level of the finished wall and allowing for front cover installation. For example, if 5/8" dry wall is to be used, extend the cabinet at least 5/8" past the studs. Hold the cabinet in place and mark the position of the four pull-out mounting tabs.
2. Set the cabinet down and drill pilot holes for the four mounting screws.
3. Place the cabinet in position and secure with the screws.
4. Remove knockouts as required and install cable protection grommets (not supplied) in the holes.

### **Surface-Mount Installation**

(Assumes installation will be on plywood backboard.)

1. Securely install the plywood backboard allowing sufficient clearance for the cabinet and access to the knockouts.
2. Position the cabinet at a suitable height and mark the location of the upper mounting holes.
3. Set the cabinet down and drill pilot holes for the upper mounting screws.
4. Install the upper mounting screws but do not fully tighten.
5. Hang the cabinet on the upper mounting screws, install the lower mounting screws and tighten the upper mounting screws.
6. Remove knockouts as required and install cable protection grommets (not supplied) in the holes.

## Wiring Instructions

All cables are low voltage or communications cables. Observe good wiring practices and install in accordance with appropriate wiring codes. Maintain proper separation of these cables from power cables and use proper cable management and labelling techniques.

All requirements for installation of CAT5 should be met for proper operation of connected equipment. Do not strip off cable sheathing more than required for proper termination. Do not kink or knot cable. Do not crush cable with cable ties. Do not bend cable at right angles or any other sharp bends. All cable bends should have a minimum of a 2" radius. Do not untwist pairs more than ½".

## Cabling

1. Route all cables into the cabinet through the raceway. Allow sufficient length at both ends of the run to avoid stress and for proper termination and trim out. Label each cable at both ends for easier identification.
2. Position and secure all cables using good wiring practices to avoid damage during construction.
3. Refer to module installation instructions for specific wiring and termination practices for each application.

**Note:** *It is recommended to run two Cat 5 and two RG6 cables to each location for future applications even if they will not be terminated at the cabinet or the outlet at this time.*

**Note:** *Refer to the security system Installation Manual for wiring and labelling requirements for these systems.*

## Grounding

Provision for a grounding strap is an integral part of the cabinet.

## Cover Installation

1. Install the lockset into the opening provided at the top of the cover.
2. Insert the tabs at the bottom of the cover into the slots in the base of the cabinet.
3. Close the cover and secure with the lockset.

## Warranty

Digital Security Controls Ltd. warrants that for a period of 12 months from the date of purchase, the product shall be free of defects in materials and workmanship under normal use and that in fulfillment of any breach of such warranty, Digital Security Controls Ltd. shall, at its option, repair or replace the defective equipment upon return of the equipment to its repair depot. This warranty applies only to defects in parts and workmanship and not to damage incurred in shipping or handling, or damage due to causes beyond the control of Digital Security Controls Ltd. such as lightning, excessive voltage, mechanical shock, water damage, or damage arising out of abuse, alteration or improper application of the equipment.

The foregoing warranty shall apply only to the original buyer, and is and shall be in lieu of any and all other warranties, whether expressed or implied and of all other obligations or liabilities on the part of Digital Security Controls Ltd. Digital Security Controls Ltd. neither assumes, nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product.

In no event shall Digital Security Controls Ltd. be liable for any direct, indirect or consequential damages, loss of anticipated profits, loss of time or any other losses incurred by the buyer in connection with the purchase, installation or operation or failure of this product.

Motion detectors can only detect motion within the designated areas as shown in their respective installation instructions. They cannot discriminate between intruders and intended occupants. Motion detectors do not provide volumetric area protection. They have multiple beams of detection and motion can only be detected in unobstructed areas covered by these beams. They cannot detect motion which occurs behind walls, ceilings, floor, closed doors, glass partitions, glass doors or windows. Any type of tampering whether intentional or unintentional such as masking, painting, or spraying of any material on the lenses, mirrors, windows or any other part of the detection system will impair its proper operation.

Passive infrared motion detectors operate by sensing changes in temperature. However their effectiveness can be reduced when the ambient temperature rises near or above body temperature or if there are intentional or unintentional sources of heat in or near the detection area. Some of these heat sources could be heaters, radiators, stoves, barbeques, fireplaces, sunlight, steam vents, lighting and so on.

**WARNING: Digital Security Controls Ltd. recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected.**

**IMPORTANT INFORMATION: Changes or modifications not expressly approved by Digital Security Controls Ltd. could void the user's authority to operate this equipment.**

