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# Digital Security Controls

## Publications Cover Sheet

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**Part Number:** 29034657R002

**Revision:** 002

**Release Number:** 5837

**Notes:** Door being packaged and shipped separately for Medium HS-Cab1000 only. 1) Changed all references of HS-CAB1000 to HS-CAB1000ND, 2) Added other general clean-up comments and regulatory statements, 3) Updated part description for reflecting HS-CAB1000ND, Concourse logo and DSC info.

**Description:** CONCOURSE CABINETS  
INSTALLATION SHEET ENG HS-  
CAB1000ND/HS-CAB3000/HS-  
CAB4000

**Type:** 33-01 8.5 x 11 White (Paper)

**Pieces:** 1

**Printing Instructions:** Master Size: 8.5 X 11  
Number of Sheets in Master: 2  
2 - Sided Printing  
Cover Printing Not Required  
Finishing: Not Applicable

This CABINET shall be installed by SERVICE PERSONS ONLY.[service person is defined as a person having the appropriate technical training and experience necessary to be aware of hazards to which that person may be exposed in performing a task and of measures to minimize the risks to that person or other persons.]

It is the Installer's responsibility to instruct the end-user regarding the acceptance for the END-USER of having ACCESS or NOT within the cabinet. No ACCESS without the USE of a TOOL shall be permitted IF WITHIN the CABINET, IF it is hosting Moving Parts, TNV Circuits and/or Circuits at HAZARDOUS VOLTAGES. During the Installation of the DOOR, all of the above circuits shall be DISCONNECTED.

#### Limited Warranty

Digital Security Controls 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 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 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. Digital Security Controls neither assumes responsibility, 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 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.

**WARNING:** Digital Security Controls 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 could void the user's authority to operate this equipment.

#### FCC Compliance Statement

**CAUTION: Changes or modifications not expressly approved by Digital Security Controls Ltd. could void your authority to use this equipment.**

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the Instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

The user may find the following booklet prepared by the FCC useful: "How to Identify and Resolve Radio/Television Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington D. C. 20402, Stock # 004-000-00345-4.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation..

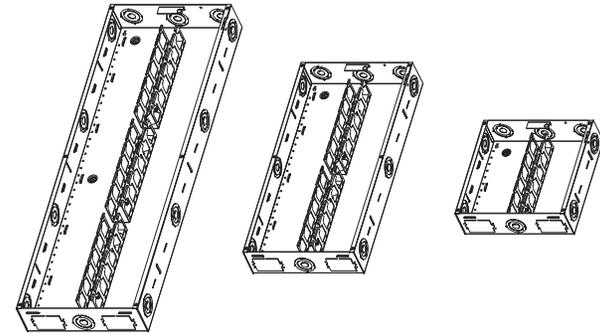


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Printed in Canada

# DSC<sup>®</sup> HS-CAB1000ND/HS-CAB3000/ HS-CAB4000 Cabinets

## Installation Instructions

### Introduction



The HS-CAB1000ND, HS-CAB3000, HS-CAB4000 are DSC Concourse Home Wiring System Solution cabinets specifically designed to house and to protect the Concourse Home Systems telecom, data, video, security, audio, automation and other modules. Large knockouts are provided at the top, sides and bottom of the cabinets for flexible cable routing. There are also two single gang electrical knockouts at the bottom of the cabinets. The HS-CAB1000ND, HS-CAB3000, HS-CAB4000 cabinets can either be flush mounted between standard 16 inch centered studs or surface mounted.

### Contents of Package

- Cabinet
- Hardware pack(s)
- Raceway cover(s)
- Instruction booklet

**NOTE:** Raceway cover and hardware shipped with door (HS-LDR1000) for HS-CAB1000ND.

### Dimensions

	Cabinet
HS-CAB1000ND	Height 14.25in (362mm) Width 14.25in (362mm)
HS-CAB3000	Height 28.5in (724mm) Width 14.25in (362mm)
HS-CAB4000	Height 42in (1067mm) Width 14.25in (362mm)

### Installation Instructions

#### Location

1. Choose a location where the temperature will not drop below 0°C or go above 50°C and where the humidity will not create condensate on the cabinet or on the installed modules. Locating the cabinet in a garage, attic or damp basement is not recommended.
2. Install the cabinet in an easily accessed location for service and future upgrades, and within 2 feet of a 110VAC outlet. Alternatively, the outlet may be located in the bottom of the cabinet using the provided knockout(s).
3. For limitations regarding cabinet locations, please consult local electrical and building codes.

## Flush-Mount Installation

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

1. Remove the slot knock-outs on the side of the cabinets.
2. 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" drywall 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 center of the slots.
3. Set the cabinet down and drill pilot holes for the mounting screws.
4. Place the cabinet in position and secure with the screws (#6 x 3/4" pan head wood screws, not supplied).
5. Remove knockouts as required and install cable protection grommets in the holes.

## Surface-Mount Installation

(Assumes installation will be on plywood backboard.)

1. Install a 3/4" plywood backboard to the wall studs using three #10 x 2 1/2" wood screws (not supplied) per side. Allow 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 (#6 x 3/4" pan head wood screws, not supplied) but do not fully tighten.
5. Hang the cabinet on the upper mounting screws, mark the knockout holes and the center and bottom mounting screw locations.
6. Remove the cabinet and cut the cable access holes in the plywood, removing any rough edges.
7. Install cable protection grommets (not supplied) in the holes in the back of the cabinet.
8. Hang the cabinet on the upper mounting screws, install the center and bottom mounting screws (#6 x 3/4" pan head wood screws, not supplied) and tighten the upper mounting screws.
9. Remove other 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 according to appropriate wiring codes. Maintain proper separation of these cables from 110/220VAC power cables and use proper cable management and labeling techniques.

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.

Position and secure all cables, complying with applicable codes. Use good wiring practices to avoid damage during construction.

Refer to module installation instructions for specific wiring and termination practices for each application.

## Removable Raceway

The center wiring raceway(s) can be oriented to allow access to the rear holes for cabling. Remove the two screws holding the raceway and rotate it 180° and refasten the two screws.

The raceway(s) can also be completely removed to allow larger devices to be mounted in the open area by using the built-in lances or an MP500 mounting plate. To remove the raceway simply unfasten the two screws and remove the raceway.

## Important

All requirements for installation of CAT5/CAT5e and coaxial cable 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 splice cable. Do not bend cable at right angles or make any other sharp bends. All cable bends should have a minimum of a 2" radius. Do not untwist CAT5/ CAT5e pairs more than 1/2".

**Note 1:** DSC recommends that two CAT5/CAT5e and two RG6 cables be run to each location for future applications, even if they will not be terminated at the cabinet or the outlet at this time.

**Note 2:** Refer to security system installation instructions for wiring and labeling requirements for these systems.

## AC Outlets

Provisions for two single gang electrical boxes have been made in the bottom of the cabinet. These may be used to provide 110VAC outlets to connect power supplies for amplifiers, hubs, security systems, etc.

Alternatively, multiple outlets may be located outside of the cabinet, but within two feet of the cabinet to allow for short power supply cords.

**NOTE:** The electrical boxes must be dropped in from the inside of the cabinet after the knock out has been removed.

## Grounding

Provision for a grounding strap is an integral part of the cabinet. The hole for a grounding screw is located in the bottom of the cabinet.

## Tamper Switch Installation

Provision for a tamper switch is an integral part of the cabinet. The bracket for a tamper switch is located at the top of the cabinet. Install the tamper switch according to the installation instructions included with the switch.

## Door Installation

Please refer to the Installation Sheet provided with door for the proper means of door installation.