



HS-DH800 CAT5 Data/Voice Distribution Hub

Installation Instructions

Introduction

The HS-DH800 is an 8 Channel CAT5-compliant Data/Voice Distribution Hub for use with the DSC Concourse Home Systems wiring solution. The HS-DH800 is a convenient way to interconnect the HS-NH400 Ethernet module to a local area network or the Communiqué telephone system to home-run telephone outlets. This module can be installed in any of the Concourse Home Systems panels using the supplied mounting hardware.

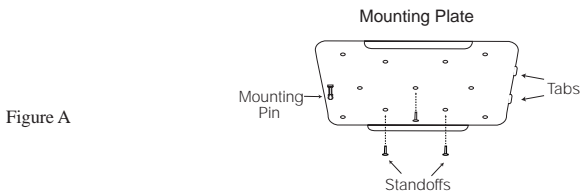
Contents of Package

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

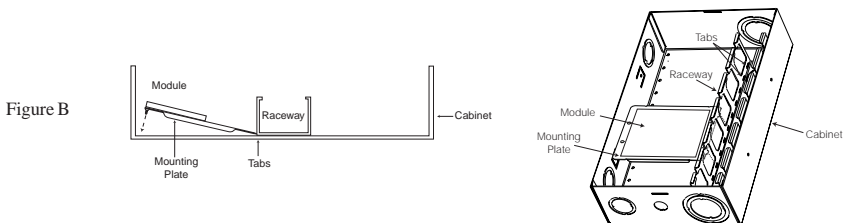
- one HS-DH800 Data/Voice Distribution Hub
- one HS-MP200 mounting plate
- seven plastic standoffs.

Installation Instructions

1. Insert the stand-offs into the mounting plate as per Figure A, matching the hole pattern on the HS-DH800 Data/Voice Distribution Hub.



2. Align the HS-DH800 Data/Voice Distribution Hub over the standoffs and snap into place.
3. Locate a suitable mounting location for the HS-DH800 Data/Voice Distribution Hub inside the cabinet.
4. Align the two mounting tabs with the holes in the wire raceway and insert as per Figure B.
5. Snap the module into place by pushing the opposite side towards the back of the cabinet.



Wiring Instructions

1. Home-run CAT5 cable to each desired location and route the cables into the cabinet through the raceway to the HS-DH800 Data/Voice Distribution Hub. 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. Note: Maximum total length of run from the hub to the device should not exceed 100 meters. We recommend keeping the cable run to 90 meters, allowing 10 meters for the patch cord from the wall jack to the device.
2. Terminate each CAT5 data drop at the desired location using an RJ-45 keystone jack wired to TIA T568A standard observing proper CAT5 wiring practices. Trim out using the appropriate wall plate. If using a multiple outlet mark the data jack accordingly.
3. Terminate each CAT5 data drop at the HS-DH800 Data/Voice Distribution Hub IDC termination blocks using a 110 punchdown tool and observing proper CAT5 wiring practices. See Figure C.
4. Test all connections to confirm proper installation and termination.

Note: Each RJ-45 is paired to an IDC connector. Therefore, all incoming connections can be made at any terminal as long as the outgoing connection is made to the corresponding connector. All incoming and outgoing connections should be made using CAT5 cable and according to T568A standards. Any equipment that uses CAT5 cable can be connected to this termination module.

Important: 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 2" radius. Do not untwist pairs more than ½".

Specifications

Input / Output Pairs:	8
Applicable Wiring Standard:	TIA T568A
Output Connection:	110-Style IDC
Input Connection:	RJ-45
Dimensions:	8.2 cm W x 14.5 cm L

Wiring Diagram

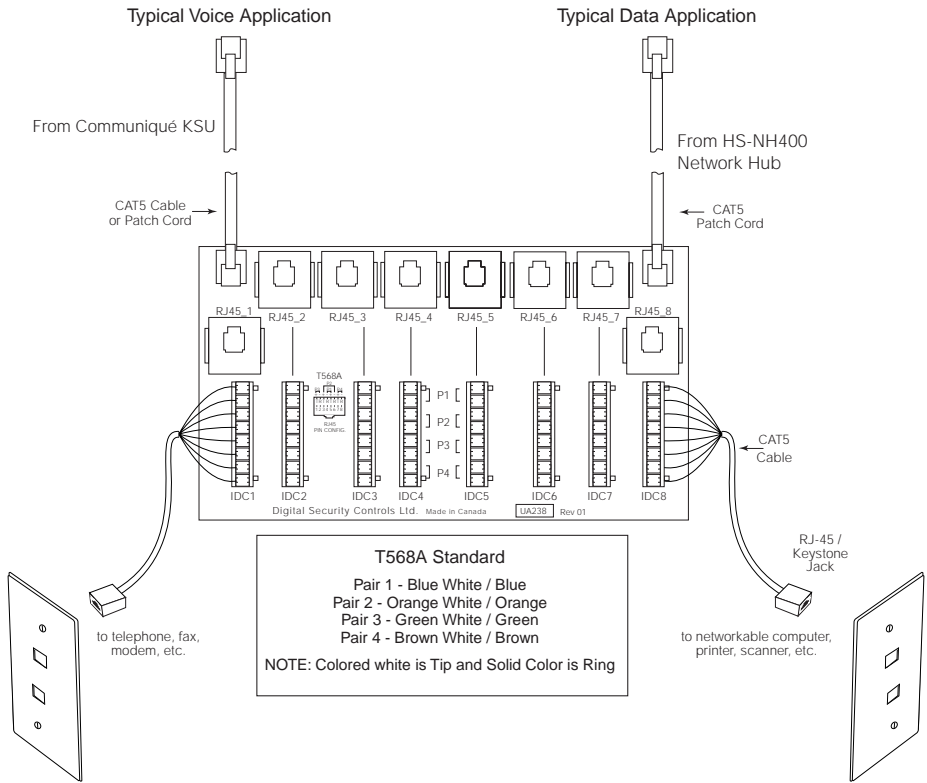


Figure C

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.

