CONCOURSE™

Installation Instructions

Introduction

The HS-TH1610 is an Analog Telecom Distribution Module for use with the DSC Concourse™ Home Wiring Systems solution. The HS-TH1610 features an 8 position 110 IDC connector for up to 4 incoming lines, 6 110 IDC connectors for connecting outlets to the system. Security systems can be added to the module on Line 1 using the RJ-31X Security System interface.

Features

- 8 position 110 IDC connector for up to 4 incoming lines
- 8 position 110 IDC connectors for connecting outlets to the system
- RJ-31X jack for security system connection

Contents of Package

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

- 1 HS-TH1610 Analog Telecom Distribution card
- 1 HS-MP200 mounting plate
- 6 plastic standoffs.

Installation Instructions

1. Insert the standoffs into the HS-MP200 mounting plate as per Figure A, matching the hole pattern on the HS-TH1610 Telecom Distribution Hub.
2. Align the HS-TH1610 Telecom Distribution Hub over the standoffs and snap into place.
3. Find a suitable mounting location for the HS-TH1610 Telecom Distribution Hub inside the cabinet.
4. Align the 2 mounting tabs with the holes in wire raceway and insert as per Figure A.
5. Snap the module into place by pushing the opposite side towards the back of the cabinet.

Figure A
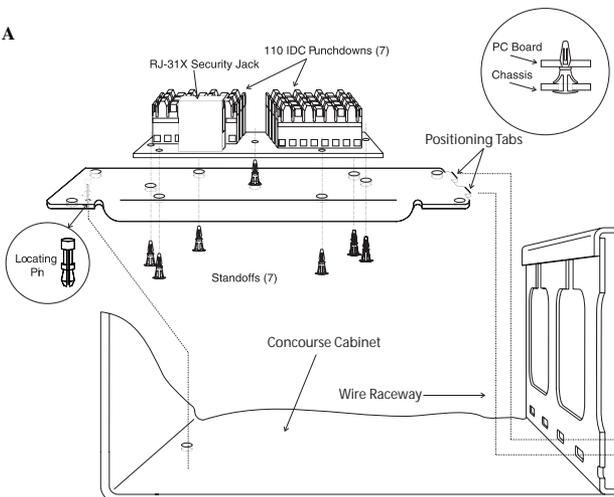
Wiring Instructions

Incoming Service Cables

- Route the incoming telephone service cable(s) into the cabinet through the raceway to the HS-TH1610 module. Allow sufficient length at both ends of the cable run to avoid stress to cables and connectors, and to permit proper termination and trim out.
- Terminate the incoming telecom service cable(s) at the telephone line-in connector labeled IDC 1, using a 110 punchdown tool. Line 1 terminates at L1, Line 2 at L2, Line 2 at L3 and Line 4 at L4 (see Figure B).
- Route the incoming video service cable into the cabinet through the raceway to the HS-TH1610 module. Allow sufficient length at both ends of the cable run to avoid stress to cables and connectors, and to permit proper termination and trim out.
- Test all connections to confirm proper installation and termination.

Outlet Cables

- Run CAT5 cable to each desired telecom location and route the cables into the cabinet through the raceway to the HS-TH1610 module. Allow sufficient length at both ends of the cable run to avoid stress to cables and connectors, and to permit proper termination and trim out. Label each cable at both ends for easy identification.
- Terminate each CAT5 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 wall outlet, identify the telecom jack accordingly.
- Terminate each CAT5 drop at the HS-TH1610 module IDC termination blocks labeled IDC 2 through IDC 7 using a 110 punchdown tool and observing proper CAT5 wiring practices (see Figure B).
- Test all connections to confirm proper installation and termination.
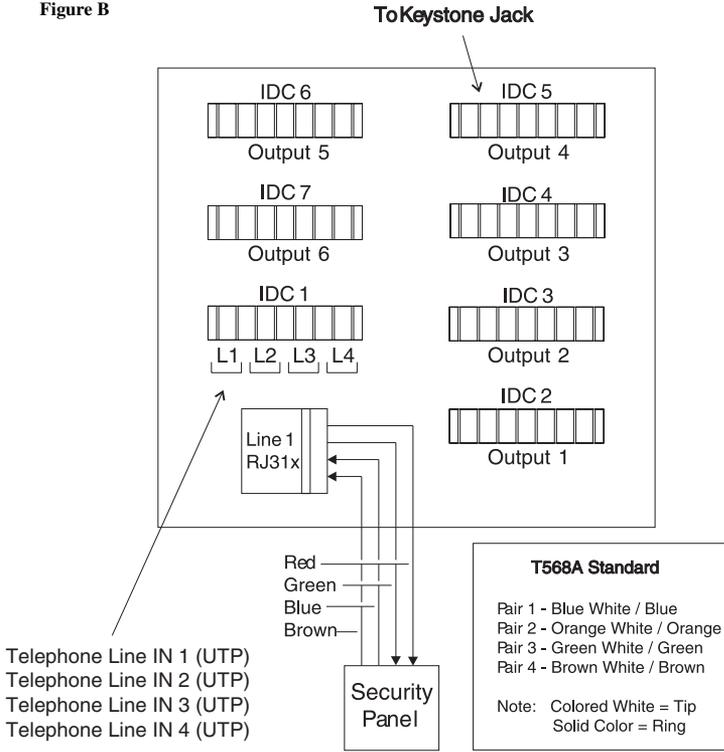
RJ-31X Security Panel Connection

If a Security panel is to be connected to Line 1, use the RJ-31X Line 1. Follow the Installation Instructions included with the Security system for proper connection to the RJ-31X jack.

NOTE: This module is intended for use with Analog telephones and POTS (Plain Old Telephone Service). Any other use may cause improper operation of the connected equipment. All 110 IDC connectors are connected in parallel and therefore output connections can be made at any 110 IDC connector. Input Lines 3 and 4 are connected in parallel to all of the 110 IDC jacks. Line 1 is designed for use with RJ-31X connector, however they are connected in parallel with the 110 IDC connectors when no RJ-31X plug is in the jack.

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 of a 2" radius. Do not untwist pairs more than ½".

Wiring Diagram

Figure B

To Keystone Jack

IDC 6
Output 5

IDC 5
Output 4

IDC 7
Output 6

IDC 4
Output 3

IDC 1
L1 L2 L3 L4

IDC 3
Output 2

IDC 2
Output 1

Line 1
RJ31x

Red
Green
Blue
Brown

Telephone Line IN 1 (UTP)
Telephone Line IN 2 (UTP)
Telephone Line IN 3 (UTP)
Telephone Line IN 4 (UTP)

Security
Panel

T568A Standard

Pair 1 - Blue White / Blue
Pair 2 - Orange White / Orange
Pair 3 - Green White / Green
Pair 4 - Brown White / Brown

Note: Colored White = Tip
          Solid Color = Ring

Specifications

- Telephone Input Lines: 4
- Applicable Wiring Standard: T568A
- Output Connections: 6
- Security Interfaces (RJ31X): .... Line 1
- Input Connection: ....110 Style IDC
- Output Connection: ....110 Style IDC
- Line Out Connection: .... None

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.

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

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 off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Re-orient 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/television 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.

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

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