



HS-TE1650 6 Port Telecom Expansion Module

Installation Instructions

Introduction

The HS-TE1650 is an Analog Telecom Expansion Module for use with the DSC Concourse™ Home Wiring Systems solution. The HS-TE1650 features an RJ-45 input jack for up to 4 incoming lines, six RJ-45 jacks for connecting outlets to the system and an RJ-45 jack as an expansion (output) connector. The HS-TE1650 is designed for use with the HS-TH1600 1 x 6 Telecom Distribution Module.

Contents of Package

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

- one HS-TE1650 Analog Telecom Expansion Card
- one HS-MP200 mounting plate
- seven 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-TE1650 Telecom Expansion module.

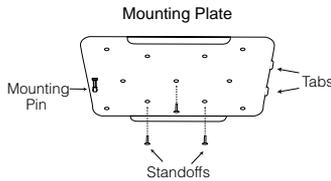


Figure A

2. Align the HS-TE1650 Telecom Expansion module over the standoffs and snap into place.
3. Find a suitable mounting location for the HS-TE1650 Telecom Expansion module inside the cabinet. The recommended location is below the HS-TH1600. Additional HS-TE1650 Telecom Expansion modules can be added below the first.
4. Align the two mounting tabs with the holes in 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.

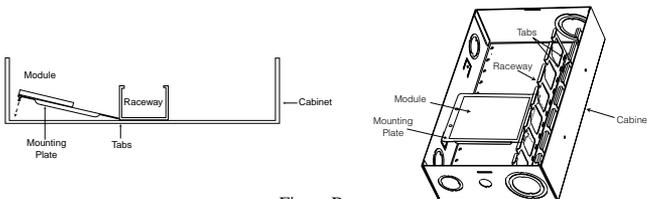


Figure B

Wiring Instructions

A. Incoming Telecom Service Cable(s)

1. Using a CAT5 patch cord of sufficient length, plug one end into the LINE OUT jack of the HS-TH1600. (If there is another HS-TE1650 already installed, plug one end of the patch cord into the LINE OUT jack of this HS-TE1650.) Plug the other end into the LINE IN jack of the HS-TE1650 being installed.
2. Test all connections to confirm proper installation and termination.

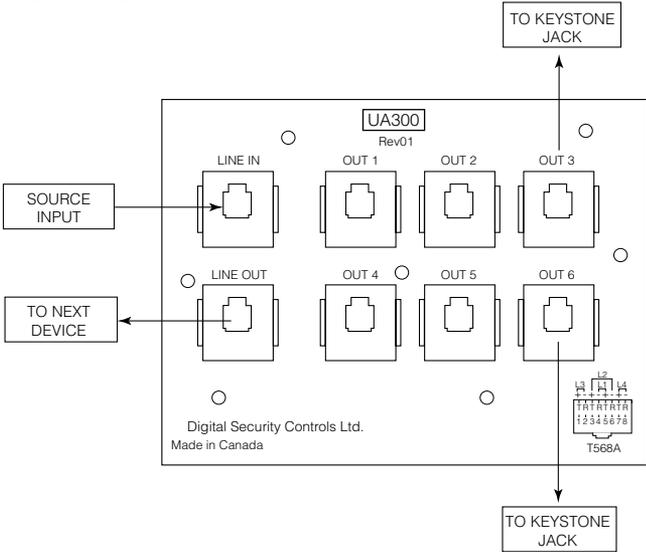
B. Outlet Cables

1. Home run CAT5 cable to each desired telecom location and route the cables into the cabinet through the raceway to the HS-TE1650 Telecom Expansion module. 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. Terminate each CAT5 drop at the desired location using an RJ-45 keystone jack wired to TIA 568A standard observing proper CAT5 wiring practices. Trim out using the appropriate wall plate. If using a multiple wall outlet mark the telecom jack accordingly.
3. Terminate each CAT5 drop at the HS-TE1650 Telecom Expansion module with an RJ-45 plug wired to TIA 568A standard and observing proper CAT5 wiring practices. See Figure C.
4. Test all connections to confirm proper installation and termination.

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 RJ-45 connectors are connected in parallel and therefore output connections can be made at any RJ-45 jack. The RJ-45 LINE OUT jack is also connected in parallel to the output RJ-45 jacks, providing a service expansion port.*

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 1/2".*

Wiring Diagram



T568A Standard
 Pair 1 Blue White / Blue
 Pair 2 Orange White / Orange
 Pair 3 Green White / Green
 Pair 4 Brown White / Brown
NOTE: Coloured white is Tip and solid is Ring

Figure C

Specifications

Telephone Input Lines:	4
Applicable Wiring Standard:	T568A
Output Connections:	6
Security Interfaces (RJ-31X):	None
Input Connection:	RJ-45
Output Connection:	RJ-45
Line Out Connection:	RJ-45

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