Warranty

DSC
H O M E   S Y S T E M S

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CONCOURSE™

HS-VT1640
Telecom/Video Module

Installation Instructions

Introduction

The HS-VT1640 combines a 1 x 6 telecom module with a 1 x 4 video splitter on the same mounting plate for use with the DSC Concourse Home Wiring Systems solution. The telecom section features one 8 position 110 IDC connector for up to 4 incoming lines, six 8 position 110 IDC connectors for connecting outlets to the system and an RJ31X jack as a security system connection. The video section features one ANT/CATV input and four outputs for multi-room video signal distribution. All splitter connectors use "F" style fittings.

Features

1	8 position 110 IDC connector for up to 4 incoming lines
6	8 position 110 IDC connectors for connecting outlets to the system
1	RJ31X jack for security system connection
1	ANT/CATV input
4	ANT/CATV output for multi-room video signal distribution
	All splitter connectors use "F" style fittings

Specifications

RF Splitter

Bandwidth:	5MHz – 1GHz
Insertion Loss:	6.5 dB (MAX)
Isolation P to P:	25 dB (MIN)
Return Loss:	18 dB (MAX)
Impedance:	75 Ohm

Telecom module

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

Contents of Package

1	1 x 4 Video Splitter on a mounting plate
1	1 x 6 Telecom Distribution Module
7	Plastic standoffs.

Installation Instructions

- Insert the standoffs (7) into the mounting plate to match the hole positions on the telecom distribution module. Refer to figure 1.

- Align the Telecom Distribution Module over the stand-offs and snap in place.

- Locate a suitable mounting location for the HS-VT1640 Telecom/Video module inside the cabinet. The upper left corner of the cabinet is recommended.

- Align the two mounting tabs with the slots in the wire raceway and insert the module.

- Align the locating pin with the hole in the cabinet and snap module in place.

Wiring Instructions

Incoming Service Cables

- Route the incoming telephone service cable(s) into the cabinet through the raceway to the HS-VT1640 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 1.

- Route the incoming video service cable into the cabinet through the raceway to the HS-VT1640 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.

- Attach a standard "F" style connector to the incoming service cable. Connect the terminated incoming service cable at the terminal marked "IN". See Figure 1.

- 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-VT1640 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 RJ45 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-VT1640 module IDC termination blocks labeled IDC 2 through IDC 7 using a 110 punchdown tool and observing proper CAT5 wiring practices. See Figure 1.

- Run RG6 coax cable to each desired location and route the cables into the cabinet through the raceway to the HS-VT1640 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 easier identification.

- Terminate each RG6 drop at the desired location using an "F" style connector. Attach the connector to an "F" style jack and trim out using the appropriate wall plate. If using a multiple wall outlet, identify the jack accordingly.

- Terminate each RG6 drop at the HS-VT1640 module using a standard "F" style connector. Connect the terminated drops to the terminals marked ↑ or ↓.

- Terminate any unused output terminals with a 75Ω terminator.

- Test all connections to confirm proper installation and termination.

Figure 1 - Installation