

## CHANNEL VISION™ Limited Warranty

Channel Vision Technology will repair or replace any defect in material or workmanship that occur during the normal use of this product with new or rebuilt parts, free of charge in the USA, for two years from the date of original purchase. This is a no hassle warranty with no mail-in warranty card needed. This warranty does not cover damages in shipment, failures caused by other products not supplied by Channel Vision Technology, or failures due to accident, misuse, abuse, or alteration of the equipment. This warranty is extended only to the original purchaser, and a purchase receipt, invoice, or other proof of original purchase date will be required before warranty repairs are provided.

Mail in service can be obtained during the warranty period by calling (800) 840-0288 toll free. A return authorization (RA) number must be obtained in advance and can be marked on the outside of the shipping carton.

This warranty gives you specific legal rights, and you may have other rights (which vary from state to state). If a problem with this product develops during or after the warranty period, please contact Channel Vision, your dealer, or any factory-authorized service center.

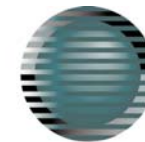
# CHANNEL VISION™ *Central*

## Structured Wiring Solutions

## **KSU Phone Distribution System**

Components:

**C-0434, C-0497, C-0498, C-0499**



## CHANNEL VISION™

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**Description:**

Model C-0434 is a KSU connection board designed to interface and connect the individual phone stations with the KSU control unit. The unit provides the following features:

- \*Compatibility with modular and Amphenol style connections
- \*Up to 8 CO line inputs via 110 punches and optional RJ45 connection (CO's 1-8)
- \*CO line 1 isolation for connection to security equipment
- \*Test port to speed system testing and installation
- \*10 station side connections via 110 punch (expandable to 20)
- \*Expansion system available. Use C-0499 KSU Expansion PCB. (see Illustration 3 on page 7)

**Wiring:**

Installation of Channel Vision's C-0434 KSU module is accomplished quickly and easily in four steps. Refer to Illustration (1) on page 5 while performing the following. Note that the KSU connection board is designed for interconnection with several styles of control units. Locate your particular situation below.

To begin:

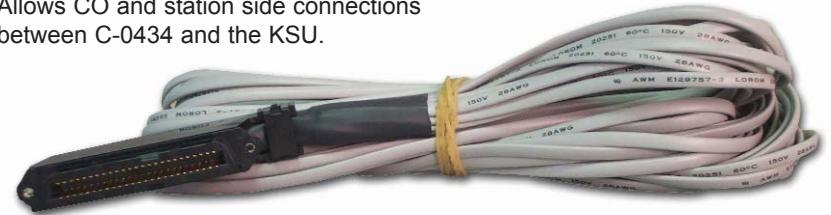
1. Attach the incoming CO lines to the "CO LINE INPUTS" section of the board.

Punch down the incoming lines in the 110 style jacks as illustrated.

Illustration (3)

**C-0498 KSU Octopus Cable**  
25 Pair Telco Connector to 12 RJ-11 outputs

Allows CO and station side connections between C-0434 and the KSU.



**C-0499 KSU Expansion PCB**

- Accepts RJ-45 Input from Surge Module
- Outputs via RJ-11 for Quick and Clean Install
- Adds 8 Stations and 2 CO lines to the system

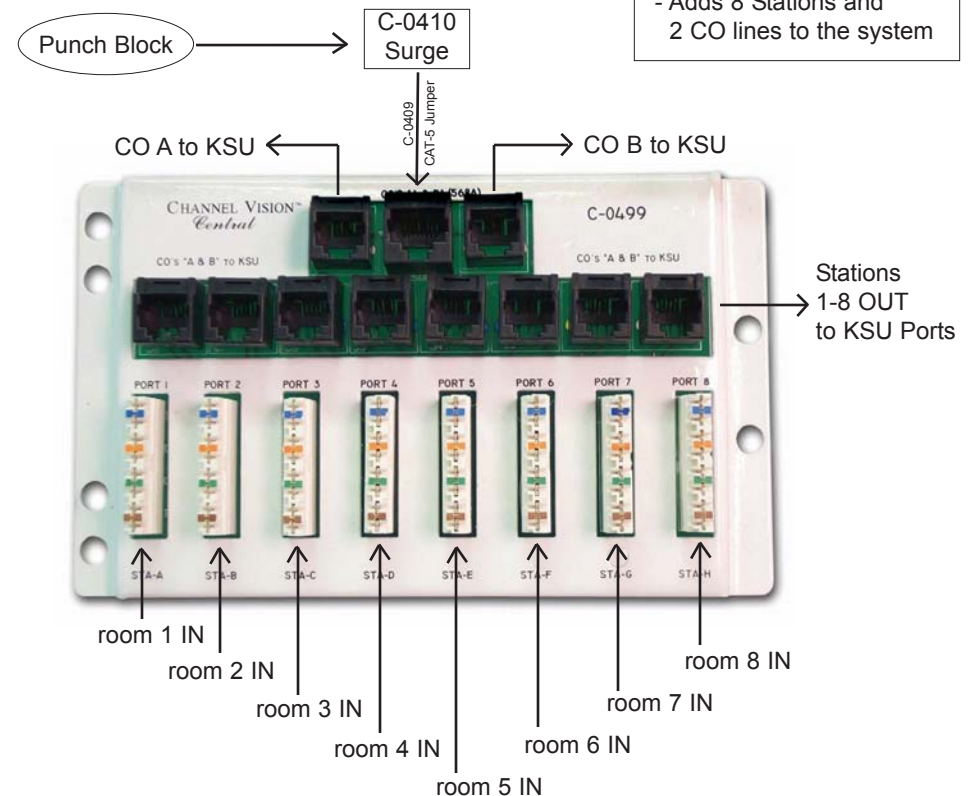
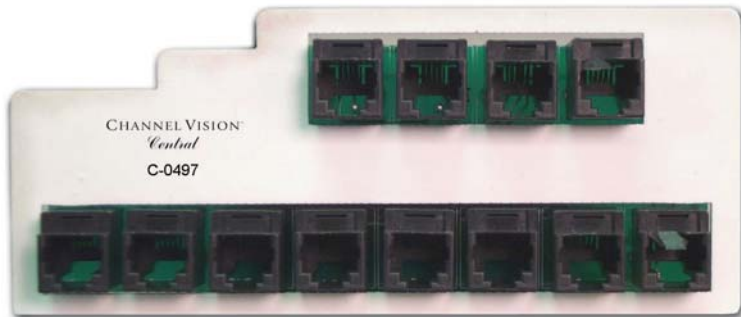
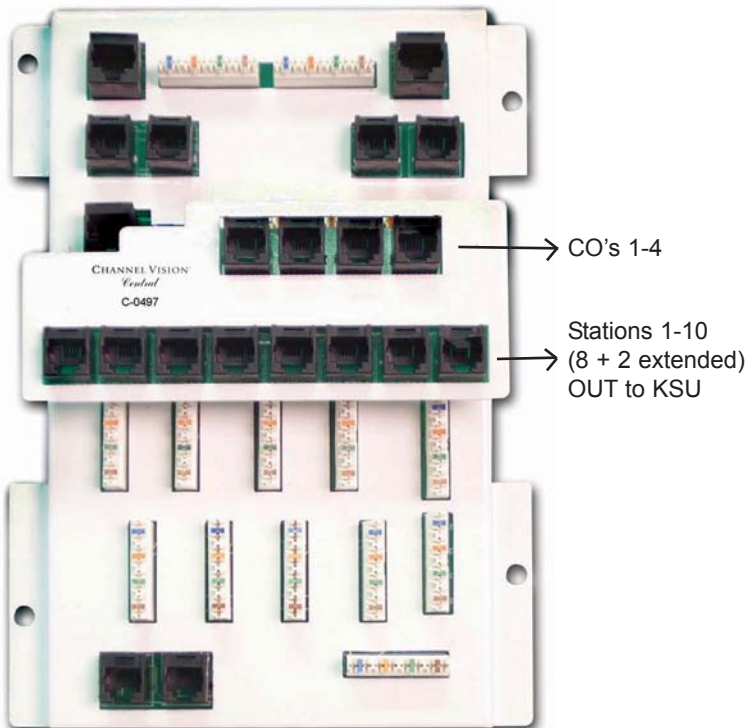


Illustration (2)

**C-0497 Converter PCB**  
25 pair Telco to RJ-11 converter



**C-0434 module with C-0497 converter attached**



Alternatively, if the incoming lines are on RJ45 jacks, simply insert the cable into the two RJ45 jacks provided.

That completes the CO lines input. Regardless of the style of KSU you have, the CO lines will be automatically routed to the proper locations on the board.

2. Make the CO Line connection from your control unit to the C-0434 interface board.

A. Amphenol style connection

This unit supports the modular style method with station side connectors using C-0498 KSU Octopus Cable.\*

In this method the CO line inputs are attached to lengths of Telco cord and terminated with RJ-14 jacks. These lengths are then bundled with the station side connectors as an assembly and mounted in a single 50 pin Telco style connector.

Attach the 50 pin Telco connector to #T2 in the "ROOMS 1-10/CO LINE" inputs section of the module. CO lines 1-4 are automatically routed from the "CO LINES INPUT" section of the board to pins 18-25 and 42-50 of the Telco connector. This means that CO lines 1 and 2 appear on cable #9 of the bundled set, while CO lines 3 and 4 are on cable #11. Each of these jacks contain 2 CO lines.

Some control units do not use two pair CO line inputs but, instead require a SINGLE pair per jack. In these cases, use cable #9 for CO line 1, cable #10 for CO line 2, cable #11 for CO line 3 and cable #12 for CO line 4.

*\*For custom cable installation from the C-0434 to the KSU, use the C-0497 Converter PCB with RJ-11 jacks to provide accessibility to the 25-pair Amphenol-style Telco connector. Cut the cable to the required length and route as desired. Crimp RJ-11's on each end of the cable.*

3. Make station side connections to the control unit.

Pull Cat-5 from each phone location (1-10) down to the inter-connection board.

Punch the Cat-5 from each location into the appropriate 110 punch. "ROOM-1" is the first location; "ROOM-2" is the second location, and so on.

4. That completes installation of the C-0434 connection board. If you need a CO line for local testing of the system, simply insert an RJ connector into the "SERVICE" port. CO line 1 is routed to this location. If you desire to interface to a security system, insert an RJ connector into the "SERVICE" port and route the other end of the cable over to the security system. *MOVE* the "On/Off" switch to the *OFF* position. This routes CO line 1 out of the board and over to the security system before it is routed up to the KSU control unit. This provides RJ-31x functionality.

Note: For expansion into additional rooms: Use the C-0499 KSU Expansion PCB. Pull Cat-5 from additional locations and punch down onto the C-0499. Cut appropriate lengths of Telco cord and crimp 2-line (RJ-14) connectors on both ends. Insert one end onto the expansion cord of the KSU and the other into the labeled jack on the C-0499. (CO line inputs 5-8 and connections to the KSU are provided on the C-0434 module.)

Illustration (1)

