

Copper Theft Termination Kit

Simplified Equipment Rack Installation

The CopperWATCH™ cable theft monitoring application uses a minimum of two dedicated conductor pairs per monitored sheath to identify and alarm on a cable theft in progress. These pairs—one called a Detection Pair, the other, a Verification Pair—are read continually, up to three times per minute, by the uM260 Micro Monitor™.

To provide a convenient and self-contained method of installing the uM260 and terminating the monitoring pairs, we have designed a simple rack-mountable installation kit. The Copper Theft Termination Kit (Part No. 9900-6260) consists of a 23 inch-wide by 3.5 inch-high steel panel with cut-outs for a uM260 monitor (sold separately) and a 21-pair Termination Adapter installed in a protective enclosure. The top of the enclosure can be removed to gain access to the Termination Adapter for wiring.

Additional kit components include a 3-inch connecting cable with male and female Amphenol connectors, a nylon cable tie with fastener for securing the cabling in place, and mounting accessories (bolts, washers and nuts).

Note: The Termination Adapter card is NOT intended for use on POTS/Subscriber pairs. Only dedicated pairs are used for the cable theft monitoring application.

Specifications

Part Number:	9900-6260
Pair Termination Capability:	Sixteen (16) dedicated monitoring pairs (8 Detection, 8 Verification) <i>Not for use on POTS/Subscriber pairs</i>
Pair Termination Adapter:	32 locking jaw connectors (for 16 copper cable theft monitoring pairs) 10 additional connectors (for four binary device pairs and one control relay device (not used for CopperWATCH application))
Cable Connections:	Two (2) front mounted 25-pair Amphenol cable connectors (to connect Termination Adapter Card to uM260)
Power:	No power required (-48V DC power required for uM260 Monitor)
Mounting:	23 inch-wide equipment rack, horizontal
Dimensions:	1.75" high x 23" wide by 5.25" deep
Weight:	2.85 lbs.

See back page for wiring explanation.



Part No. 9900-6260 (Front View)

System Studies Incorporated



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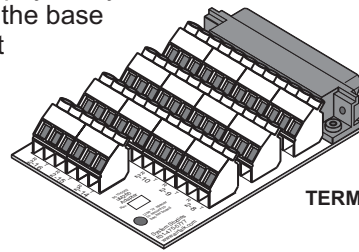
Copper Theft Termination Kit

Wiring Schematic

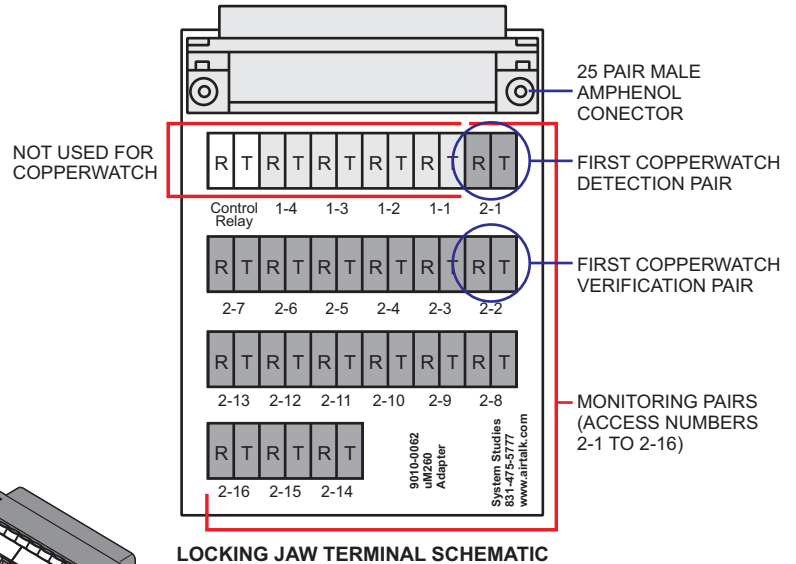
The illustration on the right shows the arrangement of the locking jaw conductor terminals on the kit's Termination Adapter. For the copper cable theft detection application, only the terminals designated as 2-1 (T/R) through 2-16 (T/R) are used.

Device Information for Data Entry

The table below contains device numbering information for the uM260 and CopperWATCH. In the CopperWATCH Device Number column, the final digit represents either a base device (zero designation only) or a Cable Section Locator (CSL). The CSLs are physically wired to the monitoring pairs; the base device numbers are important reference indicators required for CopperWATCH.



TERMINATION ADAPTER



LOCKING JAW TERMINAL SCHEMATIC

Pair/CSL Designation	CopperWATCH Device Type	CopperWATCH Access Number (Monitoring Pair)	CopperWATCH Device Number
Detection Pair 1	XC	2-1	002-01.0
CSL #1	XC		002-01.1
CSL #2	XC		002-01.2
CSL #3, etc. (up to 7 total)	XC		002-01.3
Verification Pair 1	XC	2-2	002-02.0
CSL #1 (only 1 installed on pair)	XC		002-02.1
Detection Pair 2	XC	2-3	002-03.0
CSL #1	XC		002-03.1
CSL #2	XC		002-03.2
CSL #3, etc. (up to 7 total)	XC		002-03.3
Verification Pair 2	XC	2-4	002-04.0
CSL #1 (only 1 installed on pair)	XC		002-04.1
Repeat for maximum 16 monitoring pairs			

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