

SIECOR CORPORATION
UNIVERSAL INDOOR NETWORK INTERFACE
630NI, 631NI, AND 630 KITS
DESCRIPTION AND INSTALLATION

1. GENERAL

1.01 This section is a cover sheet for the Siecor Corporation Indoor Network Interface 630NI, 631NI, and 630 Kits.

1.02 Whenever this section is reissued the reason(s) for reissue will be listed in this paragraph.

1.03 The Network interfaces 630NI and 631NI are indoor wall mounted. These units provide a junction test point between the network of the telephone company and the subscriber. The kits provide a replacement entrance bridge; a one-half ringer for mechanized testing; a replacement cord and plug.

1.04 If any corrections are required in the attached document, use Form E-3973 as described in BSP 000-010-015.

1.05 If equipment design and/or manufacturing problems should occur, refer to BSP 010-700-011 for procedures on filing an Engineering Complaint.

2. ORDERING PROCEDURE

2.01 The 630NI, 631NI, and 630 Kits may be ordered via Form SW-6528. Forward the SW-6528 to your appropriate Local Purchasing Office (LPO) location.

Attachment:

SIECOR CORPORATION
UNIVERSAL INDOOR NETWORK INTERFACE
630NI, 631NI, and 630 Kits
Description and Installation

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1. GENERAL:	
1.01 This section covers the description and instructions for installation of the 630NI, the 631NI units, and the kits for inservice changes of the unit function.	
1.02 When this section is re-issued, the reasons for re-issue will be listed in this paragraph.	
2. DESCRIPTION:	
2.01 The 630NI and the 631NI are indoor wall mounted network interfaces.	
a) These units provide a junction test point between the networks of the telephone company and subscriber.	

- b) The kits provide a replacement entrance bridge; a one-half ringer for mechanized testing; a replacement cord and plug.
- 2.02 The units are 3 inches wide, 4½ inches long and ½ inch deep and are supplied with a kit of mounting hardware and abbreviated instructions for both the Telco Installer and the Subscriber.
- 2.03 The base of the units have mounting holes to accommodate the following:
- a) Two vertical holes 3½ inches on center for attachment to a standard electrical "handi-box" or an 800A type plastic wall box. These are the preferred mounting holes for most situations;
- b) Two diagonal holes 2 3/8 inches on center for attachment to a 63A or B bracket;
- c) Four corner holes to mount on wall for surface wiring.
- 2.04 The ordering and product codes are as follows:

ORDERING CODES	PRODUCT CODES
630NI (no half ringer)	60-030-10
630TD (with half ringer)	60-031-10
631NI (no jack; no half-ringer)	60-040-10
631TD (no jack; with half-ringer)	60-041-10

NOTICE

NOT FOR USE OR DISCLOSURE OUTSIDE THE
SOUTHWESTERN BELL TELEPHONE COMPANY
EXCEPT UNDER WRITTEN AGREEMENT.

A. 630NI and 630TD

2.05 The 630NI and TD units have the following modular parts: (See Figure #1)

- . Rear Telco (junction) shield to isolate and protect loop test electronics.
- . Half-ringer for Telco testing (630TD only)
- . Network interface demarcation point with test jack assembly and telco terminal (base).
- . Entrance bridge (jack module) with phone jack and modular cord assembly for subscriber line testing and wiring bridge that accommodates up to four (4) premise wire run installations.
- . Front Telco shield to isolate Telco wiring and terminals.
- . Outer cover plate with subscriber testing instructions and knockout glands for surface wiring.
- . Hardware packet with two (2) mounting screws, two (2) cover screws and two (2) locking studs (to accommodate wall phone).

NOTE: EVERYTHING EXCEPT THE HALF-RINGER CAN BE INSTALLED OR REMOVED AFTER THE BASE IS MOUNTED ON THE WALL.

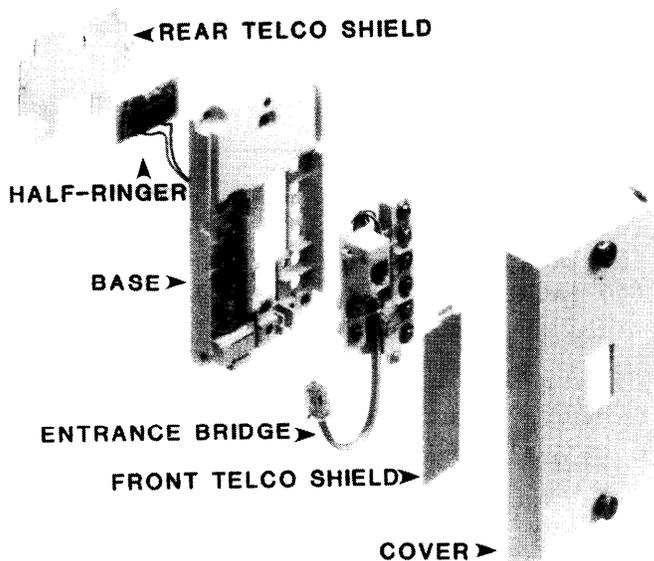


Figure #1

B. 631NI and 631TD

2.06 The 631NI and TD units have the same appearance and modular parts as the 630 units. The parts that are different are the entrance bridge and the outer cover. (See Figure #2)

The phone jack is omitted as part of the entrance bridge since the 631 unit is used where a phone outlet is not required.

The entrance bridge is equipped with a modular cord assembly for subscriber line testing and wiring bridge that accommodates up to four (4) premise wire run installations.

The outer cover plate is a solid cover with subscriber testing instructions and knockout glands for surface wiring.

There is a hardware packet furnished with mounting and cover plate screws.

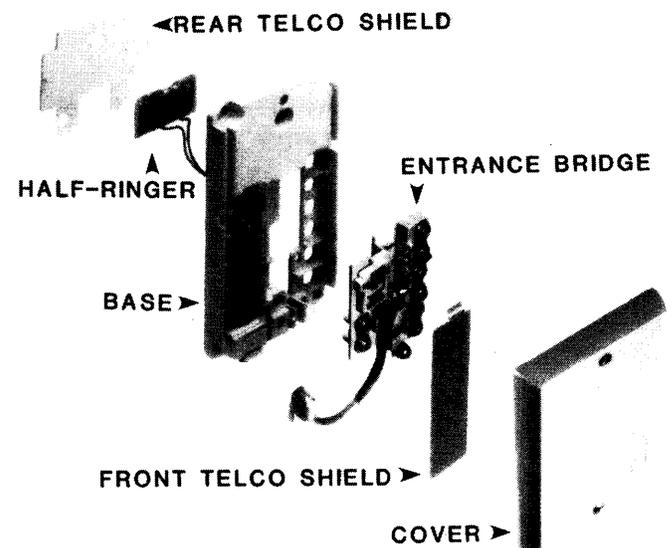


Figure #2

C. KITS

2.07 The entrance bridge Jack Module Kit is used as a replacement kit. (See Figure #3).

The Jack Module Kit is made up of the following piece parts:

- . An entrance bridge module equipped with a phone jack, a modular cord assembly for subscriber line testing and a wiring bridge for terminating station wiring.

2.08 Replacement Plug and Cord Kit used to replace a damaged cord or plug on the subscriber side of the network interface. The unit is used to repair all models, the 630NI and TD and the 631NI and TD. (See Figure #4)

The unit consists of a four (4) inch cord with a standard plug to work with the test jack, and four (4) color coded wires with bridge terminals for termination on the wiring bridge.

2.09 A Half-Ringer Retrofit Kit to convert the NI units to TD units. (See Figure #5)

The half-ringer kit is a card mounted unit with electronic components that provides a test circuit for the Telco. There are two (2) non-color coded leads 3½ inches long with spade terminals used to connect across the line on the Telco side of the network interface.

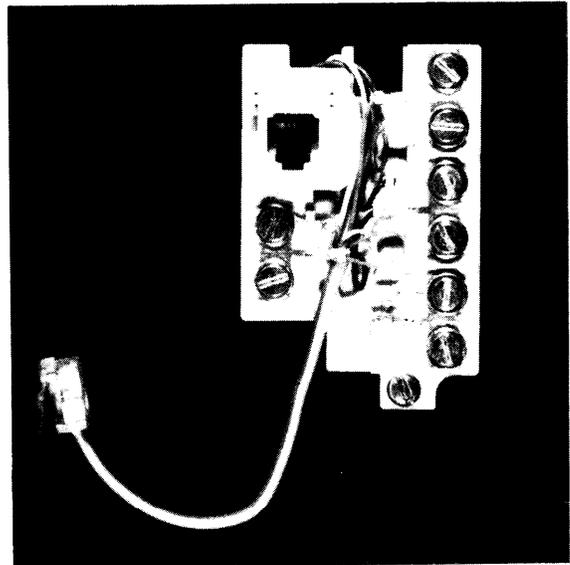


Figure #3

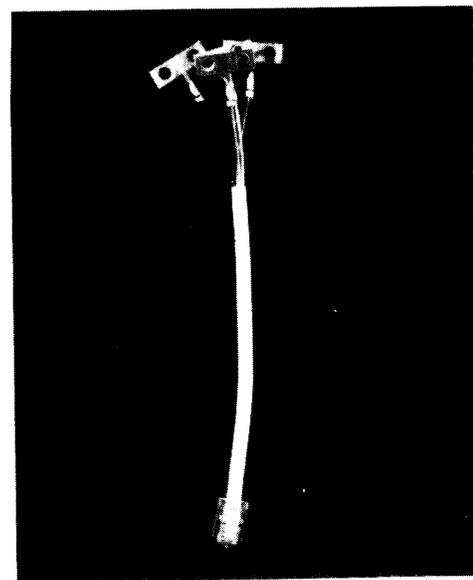


Figure #4

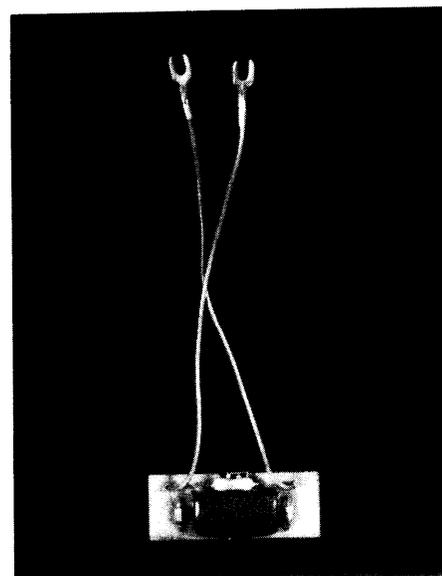


Figure #5

3. INSTALLATION:

3.01 If the abbreviated instructions furnished are not adequate, the installer should follow these detailed instructions.

A. CONCEALED WIRING

3.02 The 630 and the 631 network interfaces are shipped pre-assembled with the outer cover loose on the unit. A kit of mounting hardware is provided for final assembly of the unit.

3.03 The following steps are to be used to install the unit:

(a) Remove the Telco shield on the lower left section of the unit by inserting a screwdriver blade in the wire entrance opening to the left of the jack assembly and gently prying.

(b) Remove the wiring bridge (jack module) assembly by backing out the screw in the lower right corner of the unit. Gently work the cord loose from the strain relief channel and lift the unit out of the network interface base.

(c) In a concealed wiring mode, it will be necessary to remove the rear Telco junction shield that protects the loop test electronics in the upper back section of the unit. Turn the unit over and insert a screwdriver blade under the exposed tab on the left side of the shield and gently pry the shield loose and remove. To provide a wire entrance from the rear of the unit for the Telco and the subscriber, the two (2) extending tabs on the shield must be removed. Cut both tabs off the shield by using diagonal cutters. (Do not bend the tabs off. This will result in an uneven edge on the shield). (See Figure #6). Replace the protective shield by pressing both sides into the base.

(d) Remove the outer jacket of the Telco and Subscriber's wire and feed the color coded wires through the respective entrance holes in the back of the unit. Mount the unit using the proper holes as described in 2.03.

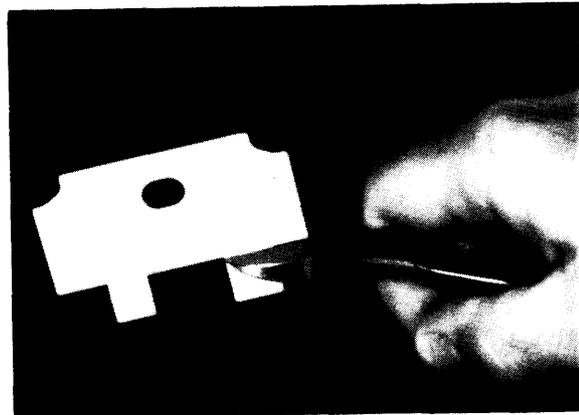


Figure #6

(e) Replace the jack module assembly in the subscriber section of the unit. Secure cord in strain relief channel.

(f) Cut and trim the wire leads and terminate on the color coded connections in each section of the unit.

NOTE: The premise may not be prewired and the subscriber's wire may not be in place. In this case, only terminations need to be made in the Telco section of the unit.

(g) Replace the Telco shield on the lower left front section of the the top of the Telco section and unit by inserting the tab in the slot at the top of the Telco section and pressing the bottom of the shield in place.

(h) Place the cover on the unit using the mounting screws provided. If the unit is to accommodate a wall phone, place the locking studs on the mounting screws and secure cover in place.

(i) Leave Subscriber's Instruction sheet attached to the wiring bridge cord on the unit.

B. SURFACE WIRING

3.04 For surface wiring the 630 and 631 network interfaces, the cover provides the wire entrances.

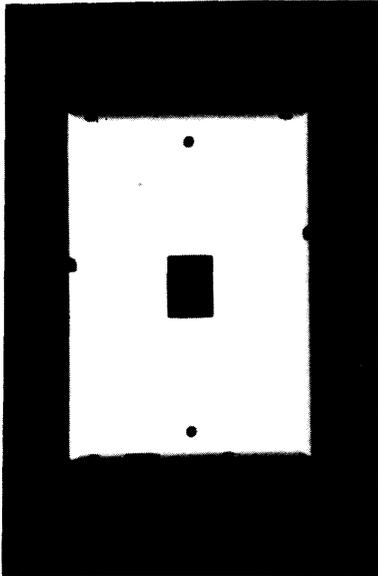


Figure #7

3.05 The following steps are to be used to install the unit:

(a) Mount the network interface unit to the wall using local practice instructions for attachments. There are eight (8) holes in the base of the unit the mounting screws provided.

(b) Remove the Telco shield on the lower left section of the unit by inserting a screwdriver blade in the wire entrance opening, to the left of the jack assembly, and gently prying.

(c) Choose the appropriate recess entrance into the base section of the unit. Remove the outer jacket of the Telco station wire and the Subscriber station wire, if prewired, and lay in the appropriate recess. (Allow enough outer jacket on the wire so that wire leads are not exposed on the outside of the unit.) Cut and trim the wire leads and terminate on the color coded connections in each section of the unit.

(d) Replace the Telco shield on the lower left section of the unit by inserting the tab in the slot at the top of the Telco section and pressing the bottom of the shield in place.

(e) Clip and remove the gland entrance on the outer cover that corresponds with the wire recess(es) used in step (c) using a diagonal cutter. Cut each side of the gland flush with the wall and remove by bending out. (See Figure #8).

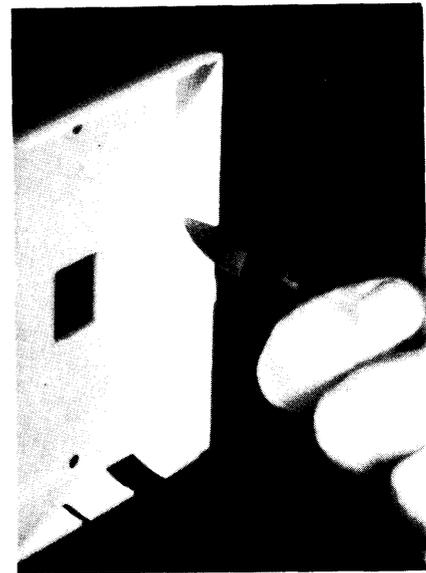


Figure #8

(f) Place the cover on the unit using the mounting screws. If the unit is to accommodate a wall phone, place the locking studs on the mounting screws and secure cover in place.

(g) Leave Subscriber's Instruction sheet attached to the wiring bridge cord on the unit.