266D Network Interface Mounting Assembly
FCC registration number for 6131(X) module: BPX826-15539-WP-E

contents

1. description and application

general

1.01   The 266D Network Interface Mounting Assembly (figure 1) is a prewired, connectorized Type 10 Mounting Shelf that houses up to 12 Tellabs 6131X 4Wire-to-4Wire or 4Wire-to-2Wire Terminal Interface Modules. The assembly is universally prewired via its connectorized printed-circuit backplane to accept all versions of the 6131X module on an interchangeable basis. These modules plug into 56-pin card-edge connectors at the rear of their assembly positions. Designed for installation either in a 19-inch or 23-inch relay rack or in a Tellabs 1922, 1925, or 1926 Apparatus Case (Type 16C, 6A, or 6AW-equivalent, respectively), the 266D Assembly features lightweight yet rugged aluminum construction.

PHOTO NOT YET AVAILABLE

*figure 1. 266D Network Interface
Mounting Assembly*

1.02   This practice section is revised to update figures 3 and 4, to add a functional schematic diagram of the assembly's power and alarm circuit, and to update testing and troubleshooting information (section 5).

1.03   Additional features of the 266D Assembly include the following:

● External connections simplified by means of six 50-pin female Amphenol-type cable connectors on the assembly backplane.

● Printed-circuit backplane engineered to minimize intermodule crosstalk.

● Fusing for circuits 1 through 4, 5 through 8, and 9 through 12 via three 1.33-ampere GMT-type fuses on the assembly backplane.

● *POWER* and fuse *ALARM* LEDs on the assembly backplane for local power-on and local blown-fuse indications.

● Fuse-alarm relay on the assembly backplane for external fuse-alarm indications.

● Barrier-type terminal strip on the assembly backplane for external power input, ringing generator input, and fuse-alarm output connections.

● Highly effective ventilation via top and bottom air vents for cooler module operating temperature, which can contribute to increased component life.

● Integral brace plate between module positions at the center of the assembly to ensure rigidity and prevent warpage.

2. installation

inspection

2.01   The 266D Network Interface Mounting Assembly should be visually inspected upon arrival to find possible damage incurred during shipment. If damage is noted, a claim should immediately be filed with the carrier. If stored, the assembly should be visually inspected again prior to installation.

mounting

2.02   The 266D Mounting Assembly mounts in a standard 19-inch or 23-inch relay rack and occupies 6 inches of vertical rack space. As an alternative, the 266D Assembly can be mounted in one position of a Tellabs 1922, 1925, or 1926 Apparatus Case (Type 16C, 6A, or 6AW-equivalent, respectively). Two extra mounting ears (for 23-inch relay rack installation only) and four mounting screws are provided with the assembly for securing it to the relay rack or apparatus case.

wiring

2.03   Overview. All external connections to the modules housed in the 266D Assembly are normally made via six 50-pin Amphenol-type connectors on the assembly backplane. Female connectors *J1, J2,* and *J3* at the bottom of the assembly's connectorized backplane are used for facility-side connections. Female connectors *J4, J5,* and *J6* at the top of the assembly's backplane are used for terminal-side connections. Barrier-type terminal strip *TB-1* on the backplane is used for external power input, ringing-generator input, and fuse-alarm output connections.

2.04   Circuit Numbering, Circuit Backplane, Pinout Arrangement, and Cable Assignments. Circuit numbering by module position in the 266D Assembly is shown in figure 2. Figure 3 shows the locations of the barrier-type terminal strip and the the six 50-pin Amphenol-type connectors on the assembly backplane. Figure 4 shows the pinout arrangement for module position 1 of the 266D Assembly. Table 1 indicates the cable assignments for all module positions of the 266D Assembly. Make all connections to the assembly in accordance with these figures and table.

MODULE POSITIONS

figure 2. Front of 266D Assembly showing circuit numbering by module position

3.   specifications

capacity
12 module positions to accommodate 12 Tellabs 6131X modules (Type 10 mounting)
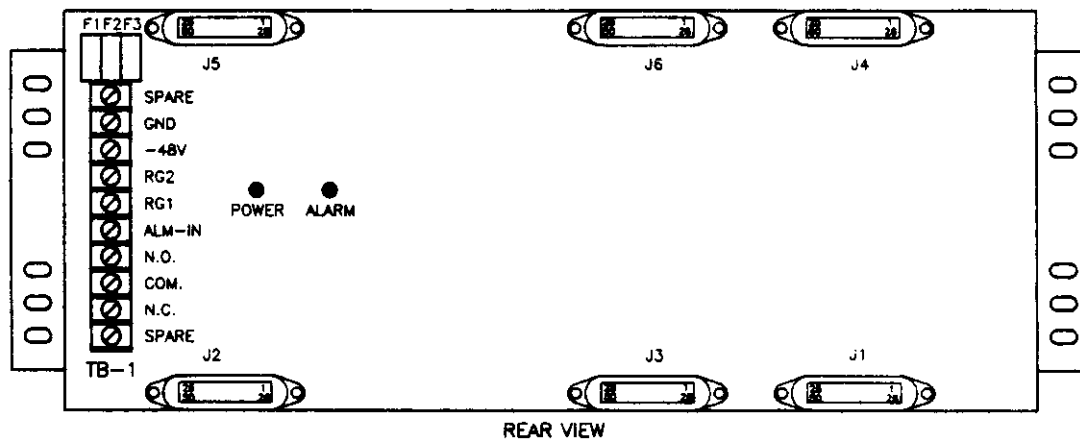
wiring connections
made via 6 female 50-pin Amphenol-type cable connectors and one 10-position barrier-type terminal strip

dimensions
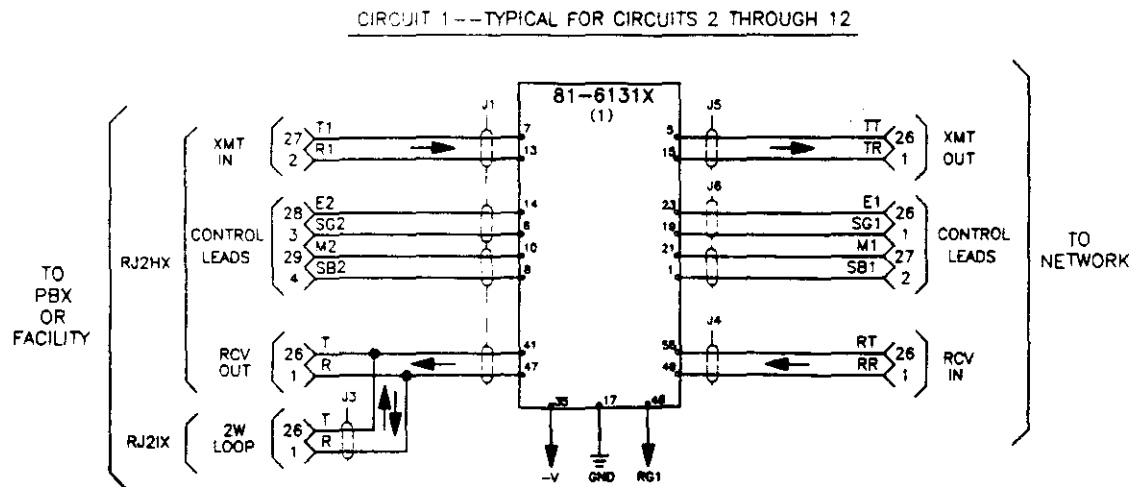**17.25 inches (43.82cm) wide (less mounting ears)**
7.25 inches (18.42cm) deep
5.92 inches (15.04cm) high

REAR VIEW

CUSTOMER NOTES:

1. FUSE 1 PROVIDES FUSING FOR POSITIONS 1 THROUGH 4.

2. FUSE 2 PROVIDES FUSING FOR POSITIONS 5 THROUGH 8.

3. FUSE 3 PROVIDES FUSING FOR POSITIONS 9 THROUGH 12.

4. RG1 PROVIDES RING GENERATOR TO POSITIONS 1 THROUGH 6.
   RG2 PROVIDES RING GENERATOR TO POSITIONS 7 THROUGH 12.

5. FOR OPTIONING INFORMATION, SEE THE INSTALLATION SECTION OF THE ASSOCIATED TELLABS PRACTICE.

6. ⊘   DENOTES SCREW TERMINAL.

figure 3. Rear of 266D Assembly showing barrier strip and cable connectors

CIRCUIT 1 -- TYPICAL FOR CIRCUITS 2 THROUGH 12

figure 4. Pinout arrangement for module position 1 of 266D Assembly

SYMBOLS:

1. o   DENOTES PRINTED-CIRCUIT-BOARD HOLE THROUGH 56-PIN CARD-EDGE CONNECTOR ON REAR OF ASSEMBLY.
2. —< x DENOTES FOIL TRACE AND ASSOCIATED PIN NUMBER FOR 50-PIN FEMALE AMPHENOL-TYPE CONNECTOR.
3. —▶ DENOTES DIRECTION OF TRANSMISSION.
4.   DENOTES CABLE PAIR.

weight (without modules)
4 pounds 14 ounces (2.21 kg)

mounting
mounts in 19-inch or 23-inch relay rack; occupies 6 inches of vertical rack space. Can also be mounted in one position of a Tellabs 1922, 1925, or 1926 Apparatus Case (Type 16C, 6A, or 6AW-equivalent, respectively).
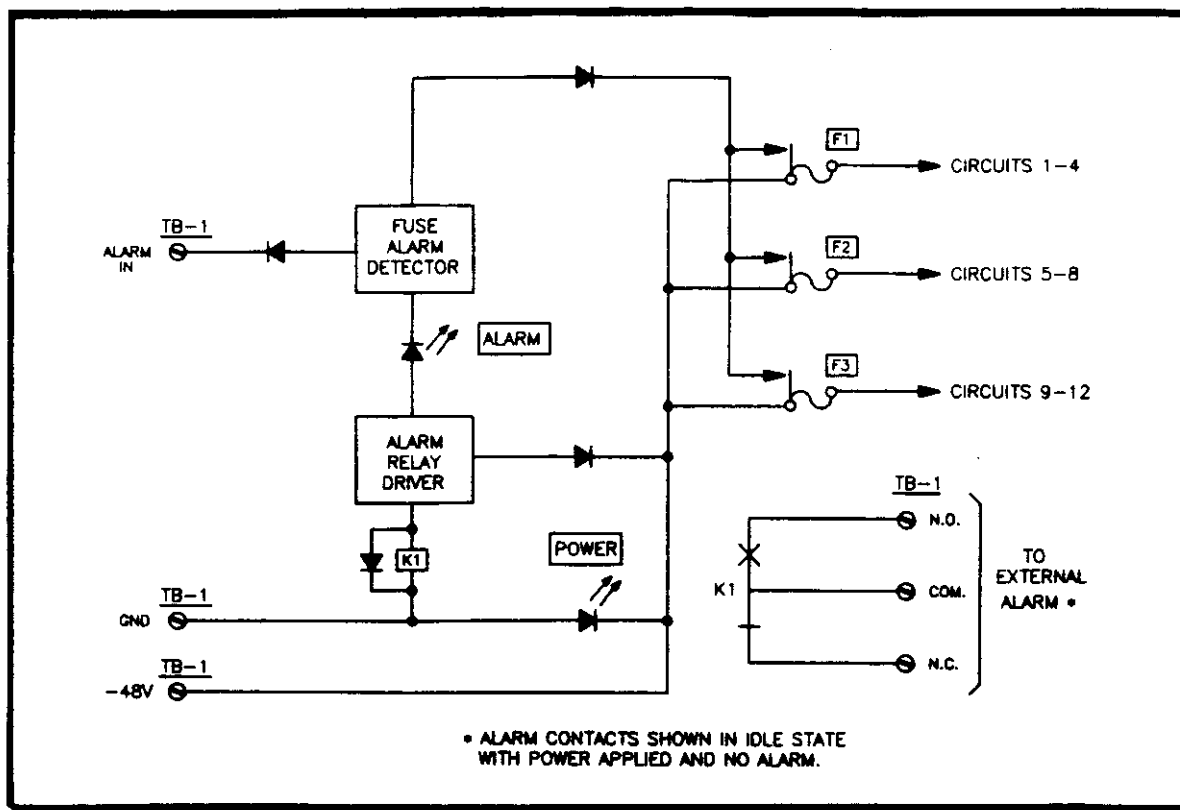
5.   testing and troubleshooting
5.01   The 266D Network Interface Mounting Assembly should be thoroughly inspected before mounting to ensure that there are no visible defects. If trouble is encountered, ensure that all modules and other equipment are seated correctly and that all wiring is correct. (For the 6131X modules, see their individual Tellabs practices for wiring and troubleshooting information.) If the equipment is suspected of being defective, substitute new equipment (if possible). If the substitute operates correctly, the original should be considered defective and

returned to Tellabs for repair or replacement as directed below. We strongly recommend that no internal (component-level) testing or repairs be attempted on the equipment. Unauthorized testing or repairs may void its warranty. Also, if the equipment is part of a registered system, unauthorized repairs will result in noncompliance with Parts 15 and/or 68 of the FCC Rules and Regulations.

Note 1: *If one or more of the assembly's 1.33-ampere GMT-type fuses is damaged or blown, replacement fuses (Tellabs part number 60-6065) can be obtained by contacting our Sales Administration department at (312)969-8800, extension 2050.*

Note 2: *Although repair service always includes an attempt to remove any permanent markings made by customers on Tellabs equipment. the success of such attempts cannot be guaranteed. Therefore, if equipment must be marked* **defective** *or* **bad,** *we recommend that it be done on a piece of tape or on a removable stick-on label.*

4. functional schematic: power and alarm circuit

table 1. Cable assignments for 266D

PIN	FACILITY J1 DESIG	CKT	J2 DESIG	CKT	J3 DESIG	CKT	NETWORK J4 DESIG	CKT	J5 DESIG	CKT	J6 DESIG	CKT
26	T		T		T		RT		TT		E1	
1	R		R		R	1	RR	1	TR	1	SG	1
27	T1		T1		T		RT		TT		M1	
2	R1	1	R1	7	R	2	RR	2	TR	2	SB	
28	E2		E2		T		RT		TT		E1	
3	SG2		SG2		R	3	RR	3	TR	3	SG	2
29	M2		M2		T		RT		TT		M1	
4	SB2		SB2		R	4	RR	4	TR	4	SB	
30	T		T		T		RT		TT		E1	
5	R		R		R	5	RR	5	TR	5	SG	3
31	T1		T1		T		RT		TT		M1	
6	R1	2	R1	8	R	6	RR	6	TR	6	SB	
32	E2		E2		T		RT		TT		E1	
7	SG2		SG2		R	7	RR	7	TR	7	SG	4
33	M2		M2		T		RT		TT		M1	
8	SB2		SB2		R	8	RR	8	TR	8	SB	
34	T		T		T		RT		TT		E1	
9	R		R		R	9	RR	9	TR	9	SG	5
35	T1		T1		T		RT		TT		M1	
10	R1	3	R1	9	R	10	RR	10	TR	10	SB	
36	E2		E2		T	11	RT	11	TT	11	E1	
11	SG2		SG2		R		RR		TR		SG	6
37	M2		M2		T	12	RT	12	TT	12	M1	
12	SB2		SB2		R		RR		TR		SB	
38	T		T		SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	E1	
13	R		R								SG	7
39	T1		T1								M1	
14	R1	4	R1	10							SB	
40	E2		E2								E1	
15	SG2		SG2								SG	8
41	M2		M2								M1	
16	SB2		SB2								SB	
42	T		T								E1	
17	R		R								SG	9
43	T1		T1								M1	
18	R1	5	R1	11							SB	
44	E2		E2								E1	
19	SG2		SG2								SG	10
45	M2		M2								M1	
20	SB2		SB2								SB	
46	T		T								E1	
21	R		R								SG	11
47	T1		T1								M1	
22	R1	6	R1	12							SB	
48	E2		E2								E1	
23	SG2		SG2								SG	12
49	M2		M2								M1	
24	SB2		SB2								SB	
50	SPARE	SPARE	SPARE								SPARE	
25	SPARE		SPARE	SPARE							SPARE	SPARE

technical assistance via telephone

5.02 If a situation arises that is not covered in this practice, contact Tellabs Customer Service as follows:

USA customers: Contact your Tellabs Regional Office listed below.

US region	telephone	office location
Northeast	(203)798-0506	Danbury, CT
Capital	(703)359-9166	Washington, DC
Central	(312)357-7400	Chicago, IL
Southeast	(305)834-8311	Orlando, FL
Southwest	(214)869-4114	Dallas, TX
Western	(714)850-1300	Orange Co., CA

Canadian customers: Contact our Canadian headquarters in Mississauga, Ontario. Telephone (416)858-2058.

International customers: Contact your Tellabs distributor.

selecting correct product service procedure

5.03 If equipment is diagnosed as defective or if in-service equipment needs repair, follow the **product return procedure** in paragraph 5.04 in all cases except those where a critical service outage exists (e.g., where a system or a critical circuit is down and no spares are available). In critical situations, or if you wish to return equipment for

reasons other than repair, follow the **product replacement procedure** in paragraph 5.05.

product return procedure (for repair)
5.04   To return equipment for repair, first contact Tellabs Product Services (see addresses and numbers below) to obtain a Material Return Authorization (MRA). A service representative will request key data (your company's name and address, the equipment's model and issue numbers and warranty date code, and the purchase order number for the repair transaction). The service representative will then give you an MRA number that identifies your particular transaction. After you obtain the MRA number, send the equipment prepaid to Tellabs (attn: Product Services).

in the USA:
Tellabs, Inc.
4951 Indiana Avenue
Lisle, Illinois 60532
telephone (312)969-8800

in Canada:
Tellabs Communications Canada, Ltd.
2433 Meadowvale Boulevard
Mississauga, Ontario, Canada L5N 5S2
telephone (416)858-2058

Enclose an explanation of the malfunction, your company's name and address, the name of a person to contact for further information, and the purchase order number for the transaction. Be sure to write the MRA number clearly on the outside of the carton being returned. Tellabs will inspect, repair, and retest the equipment so that it meets its original performance specifications and then ship the equipment back to you. If the equipment is in warranty, no invoice will be issued. Should you need to contact Tellabs regarding the status of a repair, call or write the Product Services department at our Lisle or Mississauga headquarters as directed above.

product replacement procedure
5.05   For critical service outages, Tellabs offers a choice of two replacement services (if the product is in replacement stock) in lieu of the 15-day repair and return service described above. These are **overnight express service** (at extra cost) anywhere in the USA and **five-day expedited delivery** (at no extra cost) anywhere in the USA and Canada. To obtain replacement equipment via either of these services, contact your Tellabs Regional Office in the USA or our Canadian headquarters in Mississauga, Ontario, for details, costs (if applicable), and instructions. Telephone numbers are given in paragraph 5.02. A service representative will request key data (your company's name and address, the equipment's model and issue numbers and warranty date code, and the purchase order number for the replacement transaction). Tellabs will then ship the replacement to you in accordance with the replacement service you request. An invoice in the amount of the replacement's current price plus any applicable service charges will be issued after the replacement is shipped. When you receive the replacement, pack the equipment to be returned in the replacement's carton, sign and enclose the packing list, affix to the carton the preaddressed label provided, and ship the carton prepaid to Tellabs at our USA or Canadian headquarters. The defective equipment must be received within 30 days of the replacement's ship date. When we receive the defective equipment, a credit will be issued, leaving a balance due on the replacement's invoice that reflects only the express service and/or out-of-warranty charges, if any. Returns received more than 30 days after the replacement's ship date **will not be accepted for credit** but instead will be returned to you, thereby rendering the replacement's invoice due and payable. Please note that OEM, modified, and manufacture-discontinued equipment is not available via overnight express service.