Subject: KX-TD194 Installation On KX-TD816/1232

Document Number: KXTD1232006

The KX-TD194 is an external device that allows the use of single line phones with message waiting lamps. This device uses a data pair from the KX-TD system as control to turn on and off the lamps. The 16 ports on the KX-TD194 basically pass through the Tip and Ring and the KX-TD194 adds the AC voltage necessary to light the message waiting lamps.

- You **do not** have to use jacks in consecutive order.
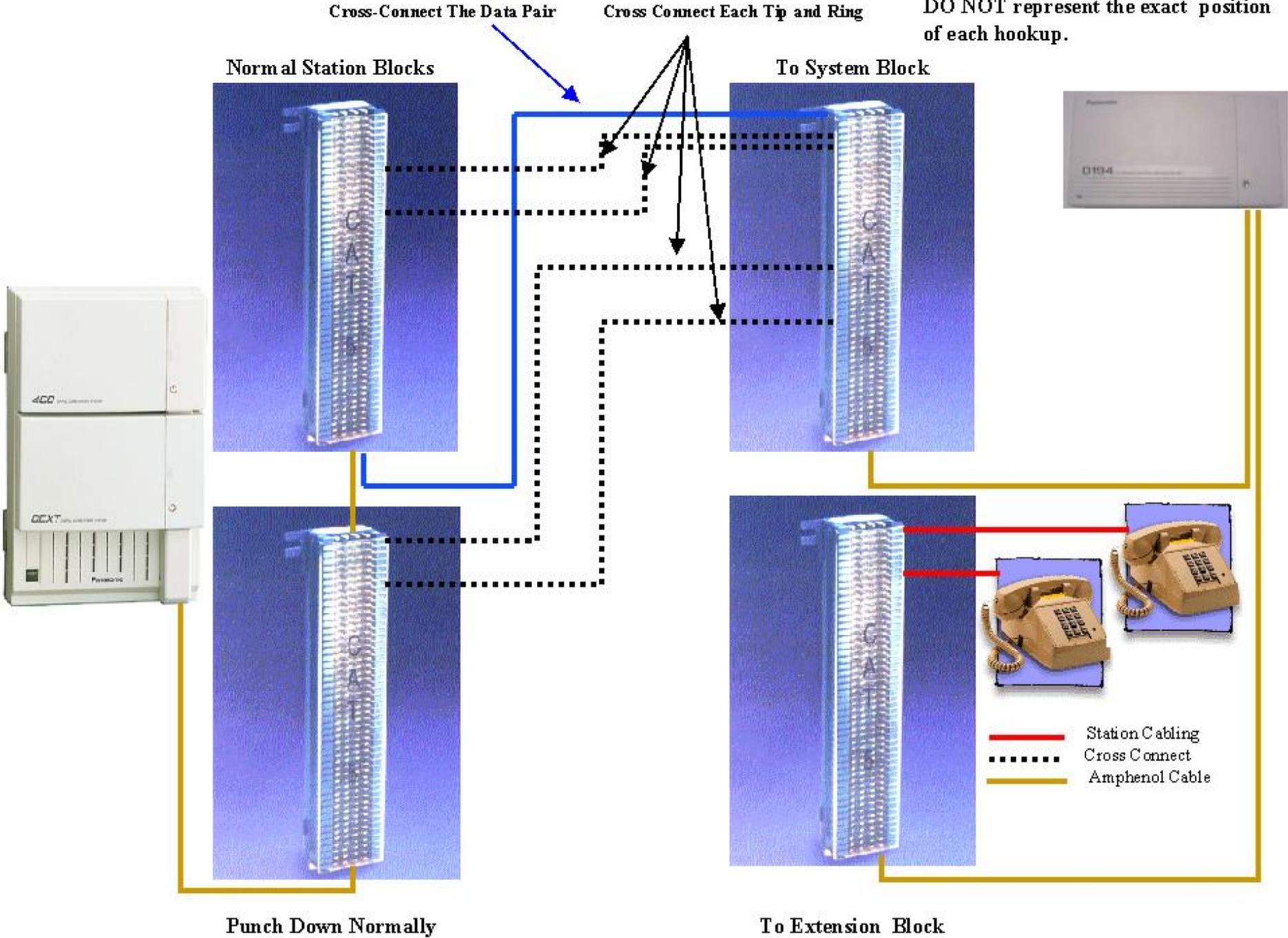- You **do not** have to use up all 16 ports.

Wiring*

1. Connect the data pair of the port you will use for control to the first pair (Wht-Blu/Blu-Wht) of cable labeled "To System". (You can use any jack except Jack 01, a manager, Voice Mail, DSS, or already assigned to KX-TD194)

2. Connect each feed (From System) Tip and Ring pair for each phone to the punch down block labeled "To System" **Starting with the Second pair** (Wht-Org/Org-Wht) **for the First extension.**

3. Connect the Tip and Ring from each extension to the block labeled "To Extension" **Starting with the First pair** (Wht-Blu/Blu-Wht) **for the First extension.**

* Refer to page two for details.

Programming

1. In program 130 enter the jack you wired to the first pair (Wht-Blu/Blu-Wht) of the "To System" punch down block.
2. In program 131 set the message waiting light pattern.
3. In program 132 assign which standard telephone ports will have message waiting lamps. Be careful to enter the data correctly. First chose the unit number, then enter the port number (This is the port on the KX-TD194 going to the extension), then enter the feed port number from the system XX-X (This is the port on the system going to the KX-TD194).

Cross-Connect The Data Pair

Cross Connect Each Tip and Ring

This is a visual illustration, the lines DO NOT represent the exact position of each hookup.

Normal Station Blocks

To System Block

Punch Down Normally

To Extension Block

Station Cabling
Cross Connect
Amphenol Cable

Connector Pin Number	Connector Colors	To System Connector (CN1) "Input"		To Extension Connector (CN2) "Output"		
26	WHT-BLU	APT	D1	**EXT. 1**	T	
1	BLU-WHT	DATA	D2		R	
27	WHT-ORG	**EXT. 1**	T	EXT. 2	T	
2	ORG-WHT		R		R	
28	WHT-GRN	EXT. 2	T	EXT. 3	T	
3	GRN-WHT		R		R	
29	WHT-BRN	EXT. 3	T	EXT. 4	T	
4	BRN-WHT		R		R	
30	WHT-SLT	EXT. 4	T	EXT. 5	T	
5	SLT-WHT		R		R	
31	RED-BLU	EXT. 5	T	EXT. 6	T	
6	BLU-RED		R		R	
32	RED-ORG	EXT. 6	T	EXT. 7	T	
7	ORG-RED		R		R	
33	RED-GRN	EXT. 7	T	EXT. 8	T	
8	GRN-RED		R		R	
34	RED-BRN	EXT. 8	T	EXT. 9	T	
9	BRN-RED		R		R	
35	RED-SLT	EXT. 9	T	EXT. 10	T	
10	SLT-RED		R		R	
36	BLK-BLU	EXT. 10	T	EXT. 11	T	
11	BLU-BLK		R		R	
37	BLK-ORG	EXT. 11	T	EXT. 12	T	
12	ORG-BLK		R		R	
38	BLK-GRN	EXT. 12	T	EXT. 13	T	
13	GRN-BLK		R		R	
39	BLK-BRN	EXT. 13	T	EXT. 14	T	
14	BRN-BLK		R		R	
40	BLK-SLY	EXT. 14	T	EXT. 15	T	
15	SLT-BLK		R		R	
41	YEL-BLU	EXT. 15	T	EXT. 16	T	
16	BLU-YEL		R		R	
42	YEL-ORG	EXT. 16	T	NOT USED		
17	ORG-YEL		R			

NOTICE HOW THE EXTENSION HOOKUP SHIFTS POSITION What goes in on the Second position comes out on the First position.