

**Purpose**

This Termination Unit serves as an interface between the field wiring of the plant process and either an Analog Master Module (NAMM01) or an Analog Slave Module (NASM01). It also accommodates (via an alternate position of shunt in a socket) analog inputs of different types, specifically system powered or externally powered 4 to 20 mA current loops, and single ended or differential voltage inputs on an individual basis.

**Description**

The NTA 01 Termination Unit is shown in Figure 1. The P1 socket links this Termination Unit to its

respective module via the Termination Unit Cable (NKTU01). Analog input options are selected by means of dipswitch configuration (see Table 1).

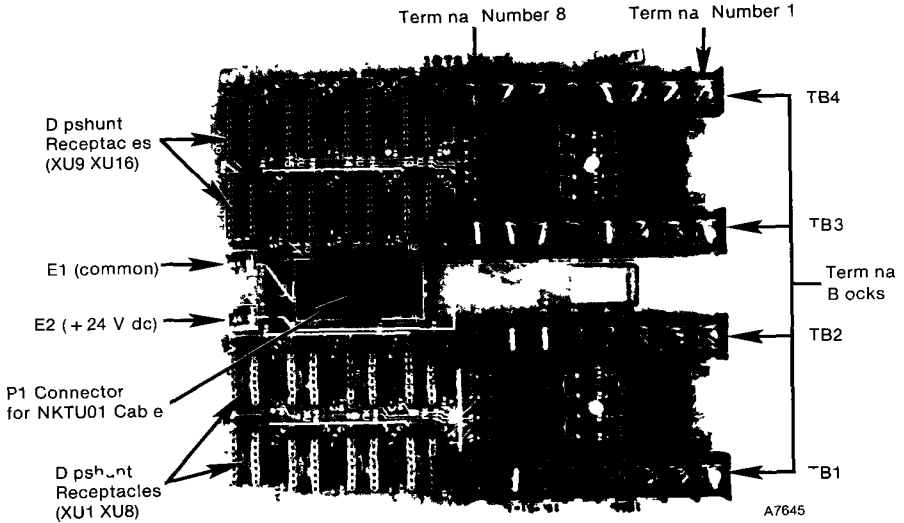
**Installation**

Please refer to the Termination Unit and Cable Installation section of this manual for complete installation instructions. Figure 2 shows the cable connection between this Termination Unit and the NAMM01 Analog Master Module.

TABLE 1 NKTU01 Application Summary

INTERFACES TO	CONNECTING CABLE	NUMBER OF INPUTS	APPLICATION/SIGNAL TYPE	DIPSWITCH CONFIGURATION
ANALOG MASTER MODULE NMM01 or ANALOG SLAVE MODULE NASM01	NKTU01	8 (master) 16 (slave)	system powered 4-20 mA	1 2 3 4 5 6 7 8 1 0 1 0 0 1 1 1
			externally powered 4-20 mA	1 2 3 4 5 6 7 8 0 1 0 1 0 1 0 1
			single ended voltage	1 2 3 4 5 6 7 8 0 1 0 1 0 0 1 1
			different voltage	1 2 3 4 5 6 7 8 0 1 0 1 1 0 0 0

\*1-8 represent strap numbers on dipswitches XU1 through XU16, where 0 represents a cut strap and 1 represents a strap left intact. Strap one connects pin one to pin 16. Strap two connects pin two to pin 15, etc.



NOTE The d shunt number corresponds numer cally to the ana og nput number

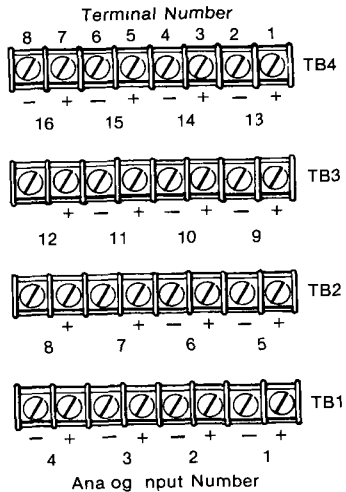
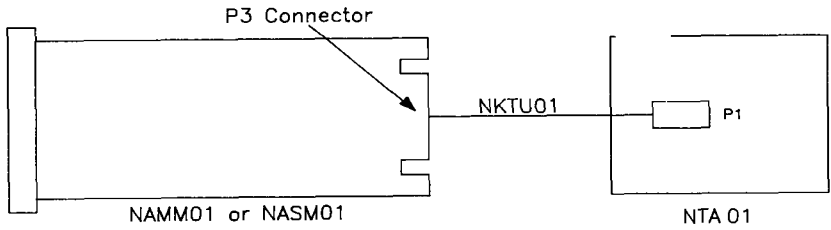


FIGURE 1 NTAI01 Termination Unit and Terminal Assignments

# NTAI01



TP85137

*FIGURE 2 Cable Connections for the NTAI01*