

Termination Module, Analog Inputs

Purpose

This Termination Module serves as an interface between the Analog Slave Module (NASM01) and equipment such as two-wire transmitters that also accommodates (via eight position dipswitches) 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 NIA01 Termination Module is shown in Figure 1. An NKTM01 or NK TU02 cable connects between the

P1 connector of the TM and the P3 connector of the Analog Slave Module. Analog input options are selected by means of dipswitch configurations (see Table 1).

Installation

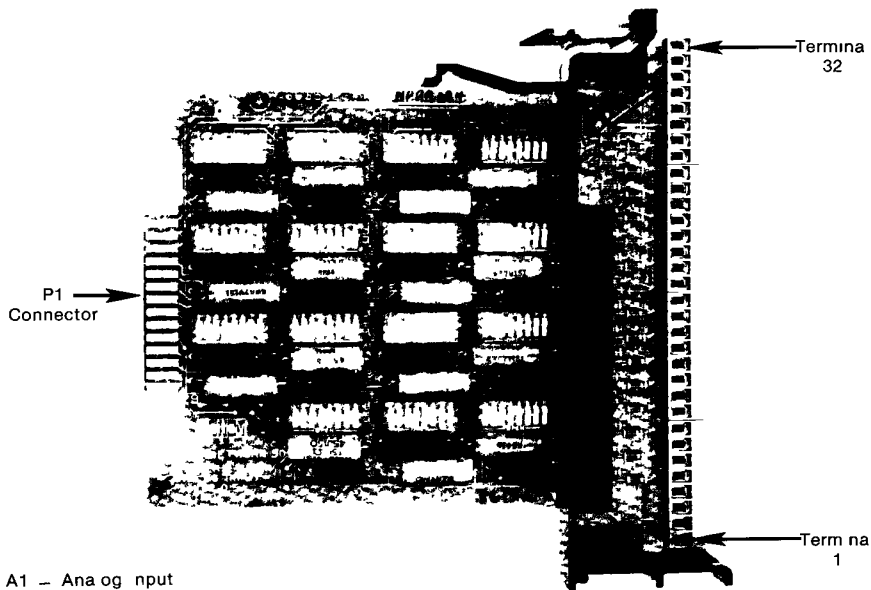
Please refer to the Termination Module and Cable Installation section of this manual for complete instructions on installing this Termination Module and its cable. Figure 2 shows the cable connection between this Termination Module and the NASM01 Analog Slave Module.

TABLE 1 NIAI01 Application Summary

INTERFACES TO	CONNECTING CABLE	NUMBER OF INPUTS	APPLICATION/SIGNAL TYPE	DIPSWITCH CONFIGURATION*
ANALOG SLAVE MODULE NASM01	NKTM01 or NK TU02	15	ANALOG INPUT VARIATIONS	DIPSWITCHES S1-S15
			system powered 4-20 mA dc	1 2 3 4 5 6 7 8 1 1 1 1 1 1 0 0
			externally powered 4-20 mA dc	1 2 3 4 5 6 7 8 0 0 0 0 1 1 1 1
			differential voltage	1 2 3 4 5 6 7 8 0 0 0 0 0 0 1 1
			single ended voltage	1 2 3 4 5 6 7 8 0 0 0 1 0 1 1 1

*1-8 represent switch positions on dipswitches S1 through S15, where 0 is open and 1 is closed

NIA101



A1 — Analog input

NOTE The dipswitch number corresponds numerically to the analog input number

A9402

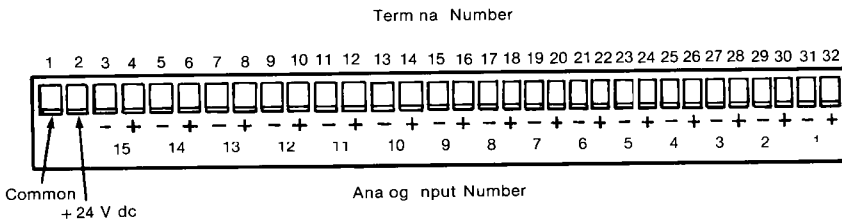
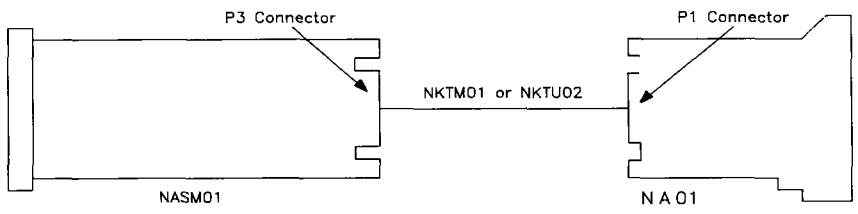


FIGURE 1 NIA101 Termination Module and Terminal Assignments



TP85123

FIGURE 2 Cable Connections for the NIAI01

