Bailey Controls

Digıta Outputs

Purpose

Th s Termınat on Un t serves as an nterface between the D gıta S ave Modu e (NDSM05) and f e d w r ng from AC or DC oads The TU prov des so d state re ays for oad sw tch ng

Description

The NTDO01 Term nat on Un t s shown n F gure 1

Installation

P ease refer to the Term naton Un t and Cab e nsta at on section of th s manua for comp ete ınstruct ons on nsta ng the Term nation Un t

Additional Cable Installation Procedures

n add t on to the standard Term nat on Un t Cabl ng procedures (see the Term nation Un t and Cab e Insta at on sect on of th s manua), the Term nat on Un t can be connected to other Term nation Un ts and so d state re ays This s done us ng a Da sy Cha n Cab e (NKDO01) connected to the P2 p ug of the Ter m nat on Un t F gure 2 depıcts the cab e connect ons between th s Term nat on Un t and the NDSM05 D gıta S ave Module The f gure a so shows connec t on between two NTDO01 Term nat on Un ts, s nce the NDSM05 hand es 16 outputs and each TU hand es on y eight

TABLE 1 NTDO01 Applıcatıon Summary

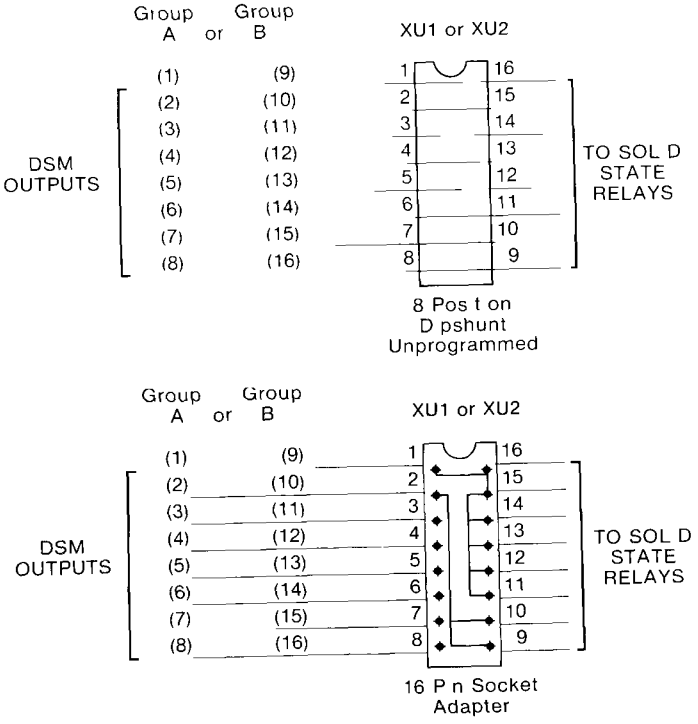
INTERFACES TO	APPLICATION/SIGNAL TYPE	CONNECTING CABLE	NUMBER OF OUTPUTS
DIG TAL SLAVE MODULE NDSM05	120 V ac or 24 V dc	NKTU01	8
TERM NAT ON UN T NTDO01	Enables user to da sy cha n D g ta Slave Modu es together to ncrease the number of outputs	NKDO01	

Configuring the XU1 and XU2 Dipshunts

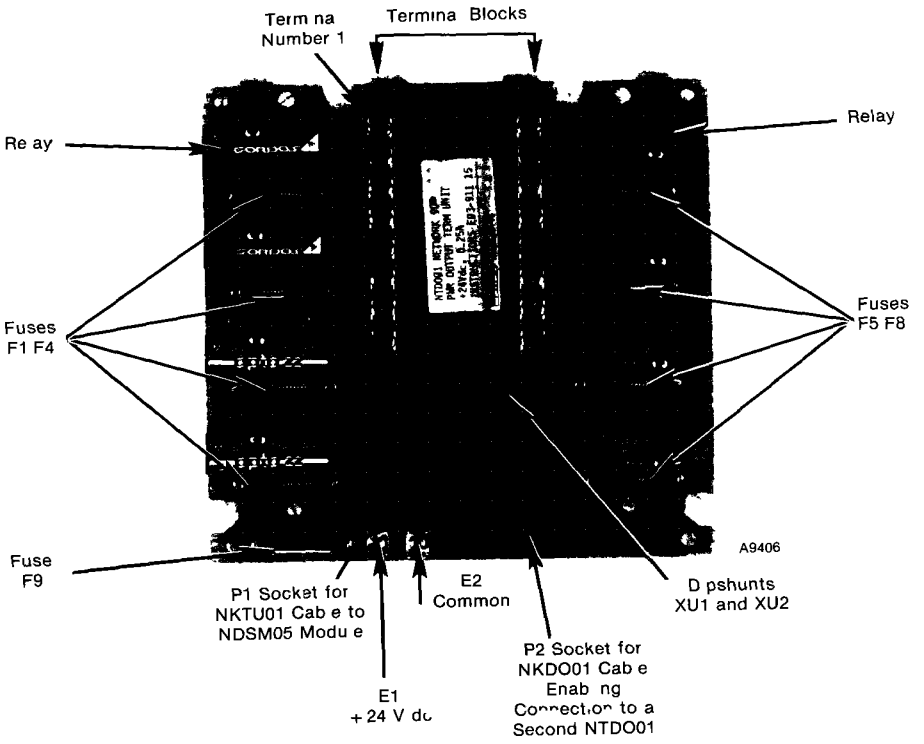
The XU1 and XU2 d pshunts are used to a ow any D g ta S ave Modu e (DSM) output to contro any so d state re ay(s) w th a max mum of n ne per output Th s means that a max mum of 18 Term nat on Un ts can be da sy cha ned together by NKDO01 cab es and contro ed by one DSM

f an unprogrammed d pshunt s p aced nto the XU1 or XU2 socket, each output from group A or group B on the DSM contro s one so d state re ay on the Term nat on Un t If group A s outputs (1 through 8) are a ready contro ng cne re ay and group B s out puts (9 through 16) are needed then another NTDO01 Term nat on Un t must be used

f one output from the DSM has to contro more than one re ay a socket adapter s nserted nto the XU1 or XU2 sockets An examp e of both cases s shown be ow For the socket adapter app cat on, the f rst output of e ther group A or B s set to contro s x re ays The second output from e ther qroup A or B s set to contro up to two re ays f more re ays are des red, then another Term nat on Un t(s) must be added



Typical Example Output 1 Driving 6 Relays, Output 2 Driving 2 Relays



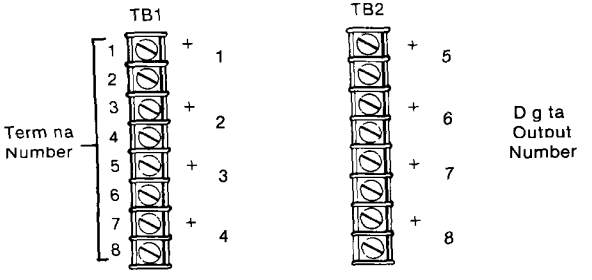


FIGURE 1 NTDO01 Termination Unit and Terminal Assignments

NTDO01

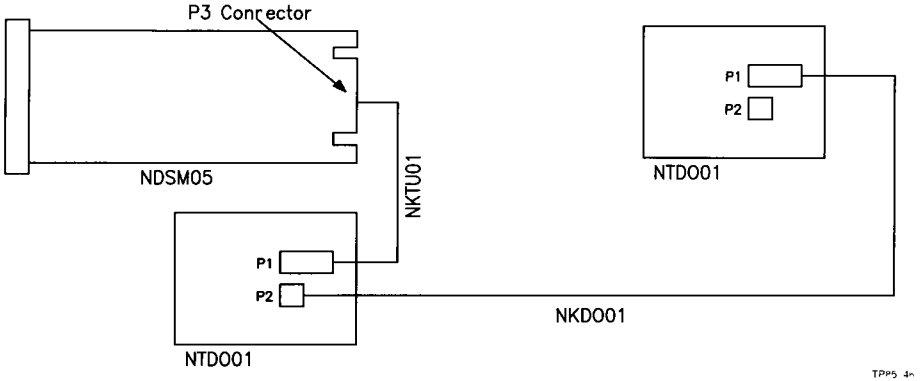


FIGURE 2 Cable Connections for the NTDO01