Purpose

The Term nat on Un t serves as an interface between the D gita 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

Please refer to the Term nat on Un t and Cab e nsta at on sect on of th s manua for comple instruct ons on nsta ng the Term nat on Un t.

Additional Cable Installation Procedures

D add t on to the standard Term nat on Un t Cabl ng procedures (see the Term nat on 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 nat on Un ts and so d state re ays. Th s s done us ng a Da sy Cha n Cab e (NKDO01) connected to the P2 p ug of the Term nat on Un t. F gure 2 depicts the cab e connect ons between th s Term nat on Un t and the NDSM05 D gita S ave Module. Th f gure a so shows connec t on between two NTDO01 Term nat on Un ts, snc e the NDSM05 hand es 16 outputs and each TU hand es on y eight.

**TABLE 1** NTDO01 Application Summary

<table>
<thead>
<tr>
<th>INTERFACES TO</th>
<th>APPLICATION/SIGNAL TYPE</th>
<th>CONNECTING CABLE</th>
<th>NUMBER OF OUTPUTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG TAL SLAVE MODULE NDSM05</td>
<td>120 V ac or 24 V dc</td>
<td>NKTU01</td>
<td>8</td>
</tr>
<tr>
<td>TERM NAT ON UN T NTDO01</td>
<td>Enables user to da sy cha n D g ta Sl ave Modu es together to ncrease the number of outputs</td>
<td>NKDO01</td>
<td></td>
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Configuring the XU1 and XU2 Dipshunts

The XU1 and XU2 dipshunts are used to allow any Digma的历史 Mode (DSM) output to control any socket relay(s) with a maximum of one per output. This means that a maximum of 18 Terminals on Unit T can be daisy-chained together by NKDO01 cables and controlled by one DSM.

If an unprogrammed dipshunt is placed into the XU1 or XU2 socket, each output from group A or group B on the DSM controls one socket relay on the Terminal on Unit T. If group A's outputs (1 through 8) are a ready control one relay and group B's outputs (9 through 16) are needed, then another NTDO01 Terminal on Unit T must be used.

If one output from the DSM has to control more than one relay, a socket adapter is inserted into the XU1 or XU2 socket. An example of both cases is shown below. For the socket adapter application, the first output of either group A or B is set to control one relay. The second output from either group A or B is set to control up to two relays. If more relays are needed, then another Terminal on Unit 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
FIGURE 2  Cable Connections for the NTD001