

# NDRM

## Rack Mount Communication & Access/Camera Control System



Sold by:



**TWAcomm.com**  
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Provides voice communication throughout a facility while integrating with access control and video surveillance systems within a rack mount console.

# System Components

## Master Stations



**NDRM-20**  
20-station Master with All Call. The unit is equipped to communicate with and control up to 40 locations while occupying only 3 rack spaces. Uses any NEM series sub station. 12-station master is also available (NDRM-12).



**NDA-40**  
40-call station Add-on selector to expand NDRM system. The unit is equipped to communicate with and control up to 40 locations while occupying only 3 rack spaces. Also available with 20 stations (NDA-20).

## Add-on Selector



**NDI-4S**  
4-Station selector add-on kit (NDRM-12 or NDA-20 can be expanded to 20 and 40 stations respectively).

## Sub Stations - Flush Mount

### • 1-gang •



**NE-SS-1G**  
• Stainless steel  
• Vandal proof  
• Weather resistant

### • 2-gang •



**NE-SS**  
• Stainless steel  
• Vandal proof  
• Weather resistant



**NE-SSR**  
• Stainless steel with red mushroom call button  
• Vandal proof  
• Weather resistant



**NE-SS-GP**  
• Gold plated  
• Vandal proof  
• Weather resistant

### • 3-gang •



**NE-NVP/B**  
• 11 gauge carbon steel w/ white powder-coated finish  
• Vandal proof  
• Weather resistant  
• Features a standard call button  
• Baffle protected speaker for communication



**NE-NVP-2DC**  
• 11 gauge carbon steel w/ white powder-coated finish  
• Vandal proof  
• Weather resistant  
• Features a standard call button and red emergency button with external DPDT contacts  
• Requires 3 conductors, plus 4 additional conductors for



**NE-NVP-RA**  
• Sub station is designed for ADA applications for areas of Rescue Assistance  
• 11 gauge carbon steel w/ white powder-coated finish  
• Weather resistant  
• Features Emergency and Braille signage, a large red call button, and "Call Placed" and "Help Coming" LED's  
• Requires 6 conductors

## Mounting Options



**SBX-SS-1G**  
Surface Box for the NE-SS-1G



**SBX-2G**  
Surface Box for the NE-SS, NE-SSR



**SBX-GP-2G**  
Surface Box for the NE-SS-GP



**SBX-NVP**  
Surface Box for the NE-NVP/B, NE-NVP-2DC, NE-NVP-RA

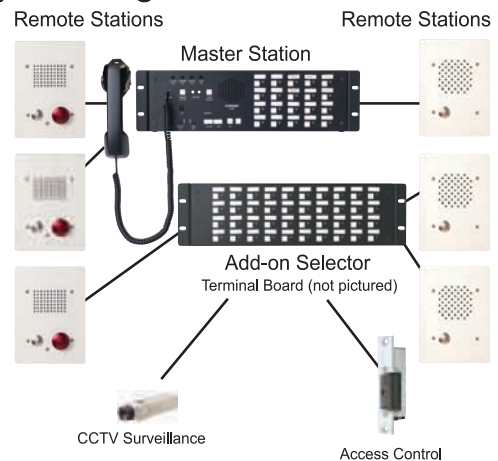
## Specifications

Power Source	24V DC. Use one PS-2420UL per master panel and each add-on panel.
Current Consumption	Maximum 45W.
Power Output	500mW per channel for intercom. 3W per 10 stations for All Call.
Calling	Pressing call button at remote activates tone and flashes yellow LED at master, remaining lit until answered. LED changes to steady yellow when communication is established.
Communication	Press-to-talk, release-to-listen at master, or voice actuated handset. Hands-free at remote.
Talk Channel	Single talk channel.
Wiring	One common wire plus 1 individual wire per sub station looped, or 2 wires homerun from each sub station. Separate wiring to each external device. Shielded cable is recommended. Use Aiphone #822202 (22AWG) or Aiphone #821802 (18 AWG) 2-conductor wire.
Wiring Distance	420' w/22AWG; 1000' w/18AWG.
Momentary Contact Ratings	N/O 5A @ 125VAC or 30VDC, N/C: 3A @ 125-250VAC or 30VDC
Constant Contact Ratings	2A @ up to 250V AC or 200V DC
Mounting	Rack mount in standard 19" EIA rack, each panel occupying 3 rack spaces.
Dimensions (HxWxD)	5-1/4" x 19" x 10"

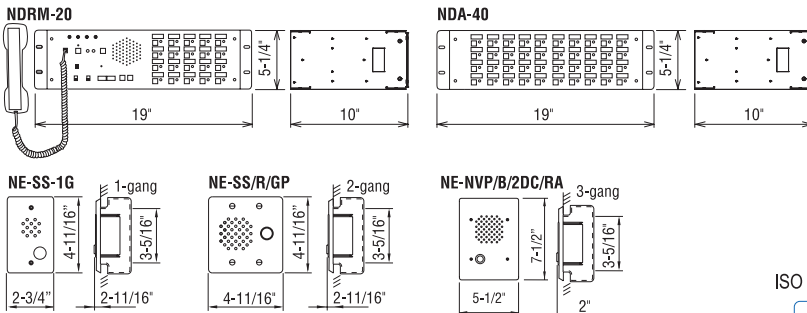
## Features

- Up to 100 remote intercom stations
- Selective Call, Group Call and All Call
- Call-in tone and LED remain lit until call is answered
- Simplex, Handset, or Headset communication at master; Hands-free at remote
- Built-in relays for selective access control and CCTV camera control
- Simple 2-conductor shielded for standard subs

## System Diagram



## Unit Dimensions



# 95250  
NDRM 1104  
Printed in USA (A)



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