

# NDR

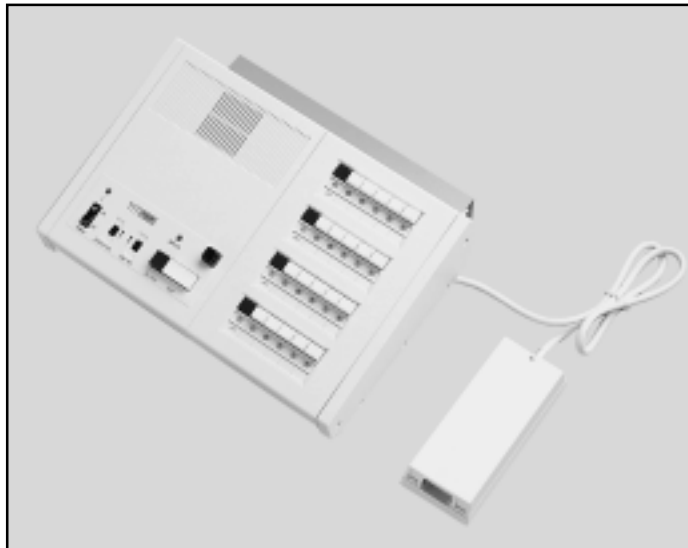
## NEM Lamp Memory System with Access/Camera Control

**DESCRIPTION:**

The NDR intercom system provides the same features as the NEM, but with the added ability to selectively control remote devices (such as door strikes, maglocks, lights, alarm contacts, and others). Masters are available in 10, 20, 30, and 40 station sizes, with or without a handset. Add-on selectors in 20 or 40 station sizes can be connected to expand the system's capacity. Single or dual master system (w/adaptors), and fully intermixable with all NEM series components.

**FEATURES:**

- Expandable to 120 stations
- Built-in All Call amplifier
- Call-in LED and tone remain until call is answered
- Selective control of remote devices with RY-PA relay for each function:
  - Door release (selective momentary contact)
  - Camera call-up (selective maintained contact)
  - Control of any device or system controlled by relay
  - Control of dual devices off of the same channel

**NDR-20****SOME APPLICATIONS:**

- *Parking Garages or Lots*
- *Automotive Service Centers*
- *Office Buildings*
- *Schools*
- *Prisons*
- *Warehouses*
- *Manufacturing Facilities*

**SPECIFICATIONS:**

Power Source: 24V DC. Use PS-2410A for NDR-10, 20. Use PS-24E for NDR-30, 40.  
 Current Consumption: Maximum 45W  
 Power Output: 500mW per channel for intercom. 3W per 10 stations for All Call/BGM  
 Calling: Pressing call button activates tone and LED at master, remaining until answered  
 Communication: Press-to-talk, release-to-listen at master, or voice actuated handset (NDR-nA only). Hands free at remote.  
 Talk Channel: Single talk channel  
 Wiring: 1 common wire plus 1 individual wire per sub station looped, or 2 wires homerun from each sub station. Separate 2 conductor to RY-PA and external device. Shielded cable is recommended. Use Aiphone #822202 (22AWG) or #821802 (18 AWG) 2-conductor wire.  
 Wiring Distance: 420' w/ 22AWG; 1000' w/ 18AWG  
 Contact Ratings: 12V DC, 30mA. Connect RY-PA for dry closure output.  
 Mounting: Desk or wall mount  
 Dimensions (HxWxD): Desk-mounted dimensions  
 NDR-10, 20: 5-1/2" x 13-5/8" x 10-1/4"    NDR-30, 40: 5-1/2" x 19-1/2" x 10-1/4"  
 NDR-10A, 20A: 7" x 17-9/16" x 10-1/4"    NDR-30A, 40A: 7" x 23-7/16" x 10-1/4"

# NDR Lamp Memory System with Access/Camera Control

## SPECIAL ORDER PRODUCTS:

### Master Stations

NDR-10	10-call Master w/selective outputs
NDR-10A	10-call Mstr. w/hndst. & sel. outputs
NDR-20	20-call Master w/selective outputs
NDR-20A	20-call Mstr. w/hndst. & sel. outputs
NDR-30	30-call Master w/selective outputs
NDR-30A	30-call Mstr. w/hndst. & sel. outputs
NDR-40	40-call Master w/selective outputs
NDR-40A	40-call Mstr. w/hndst. & sel. outputs

### Add-on Selectors

ND-20AS	20-call Add-on Selector w/sel. outputs
ND-40AS	40-call Add-on Selector w/sel. outputs

### Sub Stations

NE-JA	Flush mnt. weather resistant door stn.
NE-DA	Surface mnt. weather resistant door stn.

### Accessories

BA-1	Paging adaptor
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## STANDARD PRODUCTS:

### Sub Stations

Same as NEM Series

### Accessories

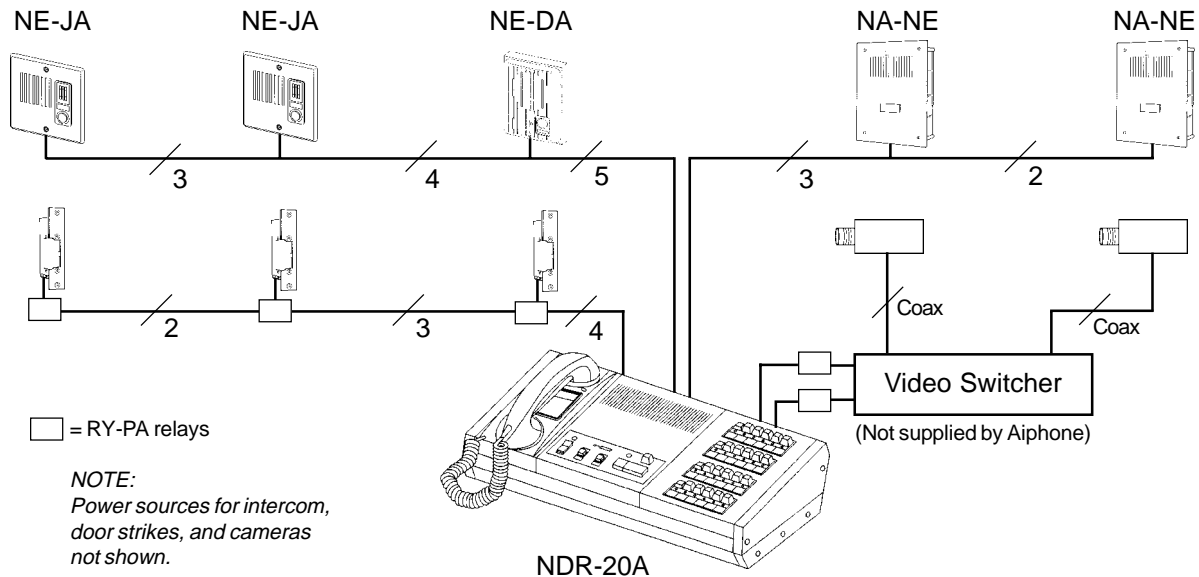
RY-PA Relay for each selective output  
(One required for each function controlled from NDR master. If both momentary and maintained closures are required on the same channel, an isolation diode is required for each set of relays. Diagram shown in NDR instructions)

Amplifiers and speakers available for paging zones.

*All other accessories: same as the NEM series.*

## SYSTEM LAYOUT EXAMPLE:

(Loop wiring method shown.  
Otherwise, homerun 2 conductors from each remote.)



## ARCHITECTS/ENGINEERS' SPECIFICATIONS:

The intercom system shall be of an open voice, selective calling type, available in 10, 20, 30 or 40 station sizes, with 20 and 40 station add-on selectors for expansion.

Master station shall have individual selector buttons with associated LEDs for call-in indication, and a directory for station labeling. A call from a sub shall light the LED and activate the call tone until the call is answered. The call shall be answered by pressing the station's selector button, then TALK button to transmit, and release to listen (or via handset with "A" model). Hands free reply from sub. The system shall include All Call, allowing the master to make general announcements to all remote stations. There shall be no talkback from an All Call.

Master station shall be equipped with power ON/OFF switch, transmit and receive volume controls, ALL CALL, TALK and door release buttons. Station selectors shall be in rows of five, with an OFF button for each row. ALL CALL button shall initiate a call to all connected stations. A "POWER" LED shall indicate incoming power to the master station.

Compatible remote stations shall include surface or flush mount styles, with or without privacy, outdoor stations, and vandal proof stations (surface or flush mounted, weather resistant).

System shall be manufactured by Aiphone.