

# Internal Communication System **Pro700**

## System Highlights

- Up to 40 subscribers.
- No central or exchange unit.
- Extensive range of standard and optional features.
- Each station is individually programmable.
- Handsfree communication.
- LCD display allows caller identification and message/absence information.
- One conversation channel.
- Program Distribution channel.
- A variety of stations for indoor and outdoor use
- Easy installation.

## System Description

System Pro700 is a fully electronic direct speech intercom system for handsfree, high-speed internal communication with up to 40 subscribers (extension numbers 10-49).

The system has no central or exchange unit - all stations are microprocessor controlled, providing an extensive range of standard and optionally programmable features.

Each station is individually programmable, giving full flexibility regarding features and extension numbers. The station's LCD display allows features like caller identification and message/absence information.

System Pro700 is an "all-to-all" system. From any master station it gives the caller immediate connection to any other master or substation in the system. The called number will be visible in the station's LCD display.

System Pro700 is equipped with one conversation link. In addition, a programme distribution channel for e.g. music is available.

The keypad is arranged for quick and simple dialling. In the called station, the initiator's identification (extension number) is displayed.

The T-button is provided for manual control of a conversation when desired, and the X-button is used to cancel a call. Either party can cancel the call.

The flexibility of Pro700 is ensured by a variety of stations which cover indoor and outdoor needs. The stations are well designed and have been thoroughly tested for endurance and reliability.

**Data Sheet**



*Pro700 gives you the second channel,  
and keeps your telephone  
free for outside calls*

## Technical Data System Pro700

Number of stations:	Max. 40
Number of stations recommended:	16
Number of conversation channels:	1
No. of program channels:	1
Max. input to progr. channel:	100 mV/600 ohm
Extension numbers:	10-49
Power Supply:	12 - 27 Volt
Line specification:	galvanic line 3 twisted pairs, 0.5/0.6mm teleph. cable
Max. distance between a power supply and a station:	12V DC: 100m (330 ft) 18V DC: 300 m (1000 ft) 24V DC: 500 m (1600 ft)
Max. total capacitance:	87nF
Max. cable run in a system:	
standard cable quality:	120nF/km-700m/2100ft
good cable quality:	47nF/km-1700m/5100ft

## Technical Data Master Station AA701

Operating voltage:	12 - 27 Volt
Current drain:	
idle:	30 mA
max:	200 mA
with ext. loudspeaker:	400mA
Frequency range:	100 - 5000 Hz
Output power:	1 Watt
Type of signalling:	32 kHz ASK
Display:	LCD, 8 digits
Volume control range:	23 dB
Microcontroller:	4 bit

## CE Certification:

All Pro700 equipment complies with the following standards:	EMC directive 89/336-EEC: EN50081-1 and EN50082-1
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## Easy Installation

All stations are interconnected with a 2-pair installation cable in a star or loop/serial configuration, using a 0.6/0.5mm diam. (24 AWG) twisted pair cable. (NOTE: 3 pairs are needed when programme distribution channel is required).

For easy connection of stations, various types of standard wall sockets can be used.

The stations are powered from a power supply (12 to 27 Volt DC, terminated to the installation cable network).

The station cord (BF type) contains 4 pairs: audio and signalling, power supply, programme distribution and external loudspeaker/door opener function.

## Station Types

### AA701 Desk/Wall Master Station

This station combines all essential functions for effective internal communication, loudspeaking handsfree, softspeaking confidential, and total privacy. The AA701's LCD display gives access to features like caller identification and message/absence information.

### AA702 Wall Master Station

The station is designed for indoor use. The surface mounted station can easily be converted to a flush mounted model by use of the clip-on front plate BF636.

### AA703 Industrial Master Station

The AA703 is a surface mounted station, a splashproof model designed for humid, dirty and outdoor conditions. (IP64).

### AA704 Console Master Station

The station is ideally suited as "control desk station" in correctional institutions, prisons or police stations. The keyboard foil of UV-cured PVC is resistant to numerous fluids and chemicals.

### AA705 Heavy Industrial Master Station

This station is a splashproof model designed for humid, dirty or outdoor conditions and areas where extreme noise occurs. (IP64). The loudspeaker is optional.

### AB707 Desk/Wall Substation

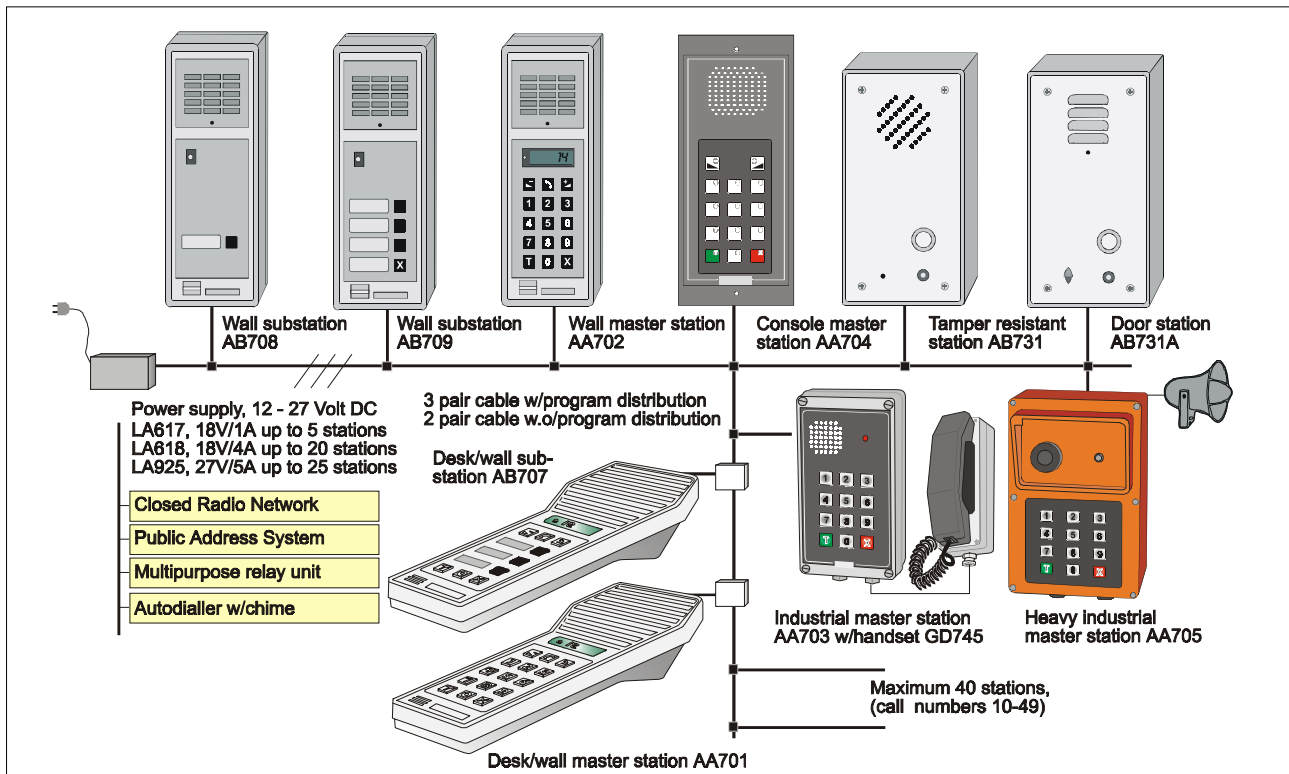
Basically the same as Master Station AA701, but with a reduced keypad.

### AB708/AB709/AB731A/AB731A-F Light Industrial substations/Door Stations

Stations with one or three dialling buttons - to set up direct calls or to activate the "doorbell" function.

### AB731/AB731-F Tamper Resistant Stations

Compact, dust resistant units and very strong in construction. The stations are made in stainless steel and the front plate of AB731 is 2.0 mm and AB731-F is 3.0 mm.



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