



The alternative solution: Push-to-talk intercom (simplex mode)

All stations may also be supplied in push-to-talk configuration (simplex mode) with inbuilt loudspeaker.

In case of a simplex mode configuration the operator has to push the button while talking and release the button to hear. The person called is not required to push any buttons.

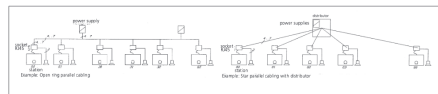
Ordering advices

Desktop/wall/semi-recess	Furniture mounting
3 m connecting cable	Separate loudspeaker and keyboard
Part no. anthracite 40.040.001	3 m connecting cable
Part no. warm-grey 40.040.011	Part no. 40.040.091
Recess	Industrial grade IP 65
Anodized aluminium front plate, IP 54, 0,3 m connecting cable	internal socket to be used preferably with a pressure chamber loudspeaker
Part no. 40.040.021	Part no. 40.040.101

Technical Data

System	Intercom station
System size	Temperature range Microphone
minimum 2 stations, 1 power supply maximum 100 stations, 3 power supplies	- 20° to + 50° C Omnidirectional electret microphone, sensitivity - 66dB
Maximum range	Amplifier
2000 m	Output power max. 3 watts, output impedance 4 - 50 Ω
Number of speech channels	Socket
1 speech channel, with additional module	Modular telecom socket RJ45, 8-way
2 speech channels	Impedance
all stations in parallel	output impedance: 47 kΩ
Cabling	Data transmission
preferably open ring (loop-in loop- out) from station to station or star wiring	Frequency response
Cabling system	speech: 0.45 to 7.2 kHz music: 0.05 to 12.5 kHz
Type of cable	Dialing method
any type, recommended: J-YSTY	MFV code according to CCITT Q23
cross section of wires 0.3 to 0.6 mm	speech: +6 dBm -6 dBm
Number of wires	optional music: 15 steps ea. 1.33 dBm total 20 dBm
1 speech channel: 4 wires 2 speech channels: 6 wires. In case of background music: 1 additional wire	Operating voltage
	24VDC
	Power consumption
	stand-by current: 0.025 A (0.6 Watts) operating current: 0.03 to 0.156 A (0.7 to 3.75 Watts)

Installation



Special modifications upon request

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Your partner for sales and service:

Technical modifications reserved

claro

The Universal
Intercom System





Where can you use the claro?

At all places where fast and reliable communication is required, i.e. in surgeries, hospitals, retirement homes, offices, council offices, public utilities, hotels, guest houses and motels, restaurants, commercial and industrial applications etc.

Why Clarson's claro?

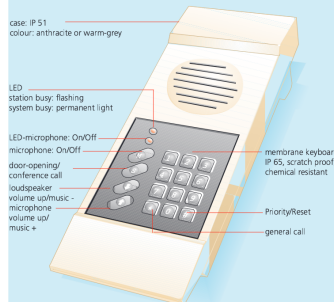
- open duplex technology, i.e. natural hands-free dialogue
- easy operation, i.e. clearly arranged keyboard no need for programming, diodes indicating current modes
- cost effective, i.e. no expensive central unit needed, expandable up to 100 intercom stations, simple and easy installation.

The Components

A complete open duplex intercom system requires:

- user stations
- loudspeakers
- power supply
- sockets

Features and Functions



Standard configuration

Allocation of call numbers

The user can program a single or double digit call number for every user station (max. 99).

Calling a station

After dialing a number, the line is immediately open for communication.

LED display

Each station is equipped with 2 diodes, indicating the current operating mode.

Privacy (microphone on/off)

By activating privacy, either party can eliminate background noise from their office.

General call

General calls will be received at user stations that have been allocated this function.

Conference call

A busy line can be interrupted from any user station if necessary.

Loudspeaker volume, Microphone volume

While talking or listening the volume of the loudspeaker or microphone can be doubled. This is useful especially in noisy environments.

Options

Signal module

By means of an acoustic signal this module indicates that the station is in operation or that a door station is calling. Three different signals can be set or various messages may be re-coded to customer's specification.

Music module

The music module allows for the volume of the background music to be set in 15 steps.

Combination module

The combination module combines the functions of the signal and music module in one module.

Audio input adaptor for music

This adaptor allows the connection of up to 3 audio sources which can be selected by use of a rotary switch.

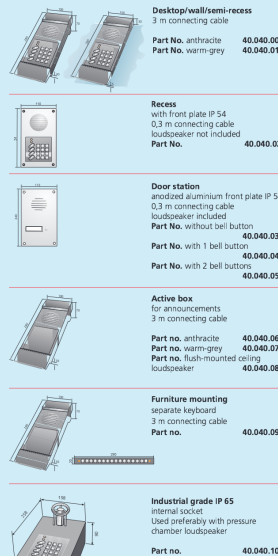
Additional speech channel module

A second speech channel module allows two independent simultaneous communications to take place.

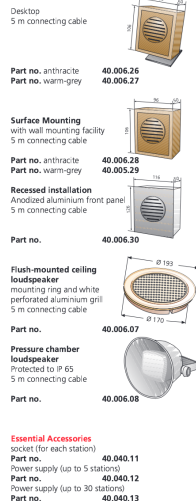
Programmable relay box for special functions

This programmable relay enables remote functions like door-opening, lighting etc.

The Intercom Stations



Loudspeakers



Options

Signal module	
Part no.	02.040.023
Music module	
Part no.	02.040.022
Combination module	
Part no.	02.040.021
Second speech channel module	
Part no.	02B.040.051
Audio input adaptor	
Part no.	40.040.14
Programmable relay box	
Part no.	40.040.15