clarson' +)(h

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

All stations may also be supplied in push-to-take (onligation to impress mode) with indust loudspeaker, in case of a simplex mode configuration the operator has to push the button or liver. It steinly and release the button to liver. The person called is very remured to on all my buttons.

Another all amminum front plate, IP 54, 0.3 m connecting cable Part no. All stations may also be supplied in

Ordering advices

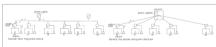
Desktop/wall/semi-recess
3 m connecting cable
Part no. anthracite 40.040.001
Part no. warm-grey 40.040.011

Furniture mounting Separate loudspeaker and keyboard 3 m connecting cable Industrial grade IP 65
ont plate, IP 54, internal socket to be used preferably
with a pressure chamber loudspeaker.
40.040.021 Part no. 40.040.101

Technical Data

System		Intercom station	
System size	minimum 2 stations, 1 power supply maximum 100 stations, 3 power supplies	Temperature range Microphone	 20° to + 50° C Omnidirectional electret microphone sensitivity - 66dB
Maximum range Number of speech	2000 m 1 speech channel.	Amplifier	Output power max. 3 watts, output impedance 4 - 50 Ω
channels	with additional module	Socket	Modular telecom socket RJ45, 8-way
Cabling	2 speech channels all stations in parallel	Impedance	input impedance: 47 kΩ output impedance: 600 Ω
Cabling system	preferably: open ring (loop-in loop- out) from station to station or star wiring	Data transmission Frequency response	analogue, level - 15 d8m speech: 0.45 to 7.2 KHz music: 0.05 to 12.5 KHz
Type of cable	any type, recommended: J-Y(St)Y cross section of wires 0.3 to 0.6 mm	Dialing method Volume control	MFV code according to CCITT Q23 speech: +6 dBm -6 dBm
Number of wires	1 speech channel: 4 wires 2 speech channels: 6 wires In case of background music: 1 additional wire		optional music: 15 steps ea. 1.33 dB total 20 dBm
		Operating voltage	24VDC
		Power consumption	stand-by current: 0.025 A (0.6 Watt operating current: 0.03 to 0.156 A (0.7 to 3.75 Watts)

Installation



Special modifications upon request

Clarson Apparatebau GmbH Zeppelinstr. 4 D-78083 Dauchingen Tel. 0 77 20/6 10 61 Fax 0 77 20/6 10 63



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 neerlari expandable up to 100 intercom

simple and easy installation. The Components

A complete open duplex intercom system requires:

- user stations
- · loudspeakers
- · nawer supply sockets

Features and Functions

case: IP 51 colour: anthracite or warm-grey station busy: flashing system busy: permanent light LED-microphone: On/Off -

microphone: On/Off door-opening/ conference call loudspeaker

Standard configuration

upor station (may 99)

Calling a station

LED display

operating mode

General call

Conference call

Priority

Allocation of call numbers

The user can program a single or double digit call number for every

After dialing a number, the line is im-

mediately open for communication.

Each station is equipped with 2 diodes indicating the current

Privacy (microphone on/off)

By activating privacy, either party can eliminate background noise from

General calls will be received at user

stations that have been allocated this

A busy line can be interrupted from

Loudspeaker volume, Microphone

volume While talking or listening the volume

can be doubled. This is useful especi-

any user station if necessary.

ally in noisy environments

volume up/music microphone volume up/ music +

Priority/Reset general call

membrane keuboard

IP 65, scratch proof.

Options

Signal module By means of an acoustical 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 recorded 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 adapter 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 independant 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



Desktop/wall/semi-recess 3 m connecting cable

Part No. anthracite 40.040.00 Part No. warm-grey 40.040.01

Recess with front plate IP 54

0.3 m connecting cable loudspeaker not included Part No. 40.040.02



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Door station annelized aluminium front plate IP 54 0.3 m connecting cable loudspeaker included Part No. without bell button 40.040.03

Part No. with 1 bell button 40,040,04 Part No. with 2 bell buttons

40.040.05 Active box for announcements 3 m connecting cable

Part no anthracita 40 040 06 Part no. warm-grey 40.040.07 Part no. flush-mour 40.040.08





Industrial grade IP 65 Used preferably with pressure chamber loudsneaker

40.040.10

Part no.

Loudspeakers

Desktop 5 m connecting cable



Part no. anthracite Part no. warm-grey

Part no, warm-grey

Surface Mounting with wall mounting facility 5 m connecting cable Part no. anthracite 40.006.28 40 005 29

Recessed installation Anodized aluminium front panel 5 m connecting cable

40.006.30

Part no.

Flush-mounted ceiling loudspeaker mounting ring and white perforated aluminium grill 5 m connecting cable

Part no. Pressure chamber loudspeaker

40.006.07

Protected to IP 65 5 m connecting cable Part no

40.006.08

Essential Accessories socket (for each station)

40 040 11 Part no. Power supply (up to 5 stations) 40.040.12 Part no. Power supply (up to 30 stations) 40.040.13 Part no.

Signal module Part no.

02.040.023 Music module Part no. 02.040.022 Combination module 02.040.021 Part no Second speech channel 020.040.051

Part no.

Audio input adaptor Part no. 40.040.14 Programmable relay box Part no. 40.040.15