

## Options

### Induction amplifier for public and service side

By switching their hearing aid to the telephone position the hearing impaired will hear the counter staff perfectly without ambient noise.

#### public side

Part no. 40.054.309

#### service side

Part no. 40.054.310

The service side induction amplifier may be used additionally on the public side if required.

### Induction rod with pictogram

Part no. 40.054.312

### Headset / Handset Interface for service side

Part no. 40.054.313

### Headset / Handset Interface for public side

Part no. 40.054.314

Headset models as per separate list

### Handset with support

Part no. 40.054.315

### Additional Public Side Positions

Only possible with desktop version 40.054.301 and built-in version 40.054.302

#### Position 2

Part no. 40.054.316

#### Positions 2 + 3

Part no. 40.054.317

#### Positions 2 + 3 + 4

Part no. 40.054.318

### Gong

Part no. 40.054.319

### Call button

vandal resistant Part no. 40.054.320

### Additional 2nd Service Side Position

Part no. 40.054.322

### Door Lock Release Function

NPN Output

Part no. 40.054.323

Only possible with desktop version 40.054.301 and built-in version 40.054.302

### Programmable Relay Box

f.ex. for door control Part no. 40.054.324

### Door station

Anodized aluminium front plate (260x130x1,5) with call button, encapsulated stainless steel microphone and loudspeaker Part no. 40.054.325

### Repeater

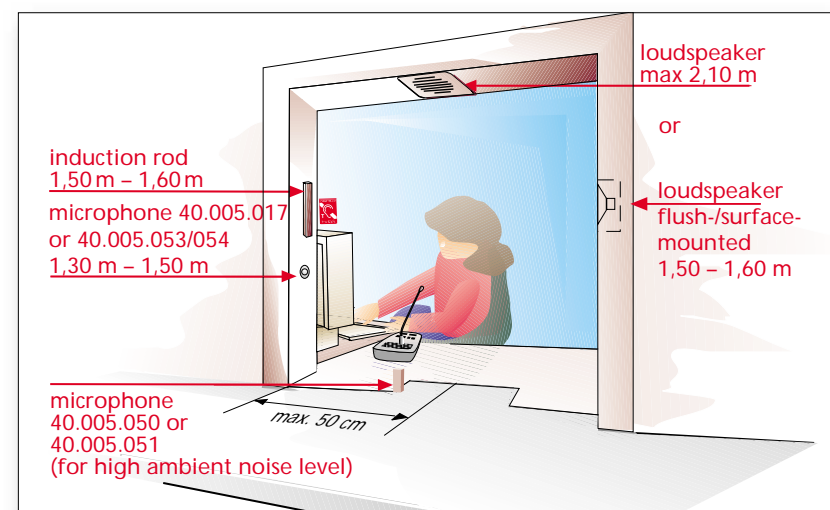
for long cable distances Part no. 40.054.326

### Important Note:

When ordering, please state all options required, since subsequent expansions are not possible.

### Planning Advice:

- The loudspeaker should be placed as near as possible to the listener's ear. The microphone should be as near the speaker's mouth as possible, but as far from the loudspeaker as circumstances allow.
- Loudspeaker on the public side:
  - At the side at 1,50 - 1,60 m from the ground (preferred position)
  - Overhead at max. 2,10 m from the ground
- Speaking distance to the microphone:
  - 10 - 30 cm on the service side
  - 50 cm on the public side



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10/2003

## public

the Intercom System  
for Service Counters



VANDAL RESISTANT AND UNOBTRUSIVE INSTALLATION  
HANDS-FREE OPEN DUPLEX DIALOGUE  
INDUCTIVE LOOP FOR THE HEARING IMPAIRED  
AUTOMATIC SWITCH-OFF IN BOTH DIRECTIONS

### Where can you use the public?

At all service counters where glass security screens hinder effective communication.

### Why Clarson's public?

- Open duplex technology – natural hands-free dialogue in both directions
- Temporary volume increase (double volume)
- Automatic mute - public and service side microphones are switched off if no one speaks
- Individual service and public side microphone squelch sensitivity control
- Increased interference immunity due to balanced audio in- and outputs

### Operating Modes:

#### Standard

Open duplex operation after activation of button ①

#### Push-to-talk

Button ① must be pressed whilst speaking

#### Boost

Double volume on the service side - half volume on the public side  
Button ② + pressed:

Double volume on the public side - half volume on the service side

#### Headset/Handset

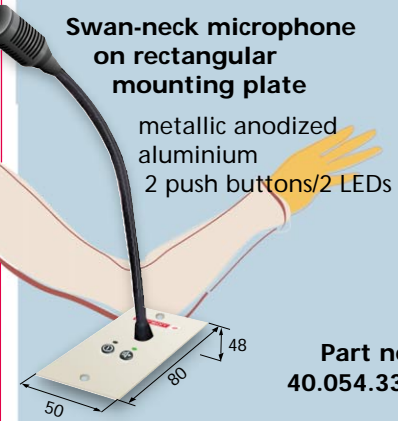
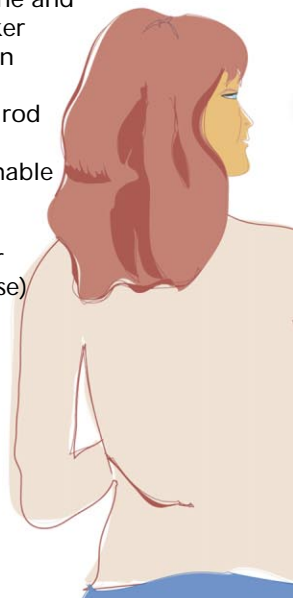
On service or public side depending on system configuration (see options)

### Components - Service Side:

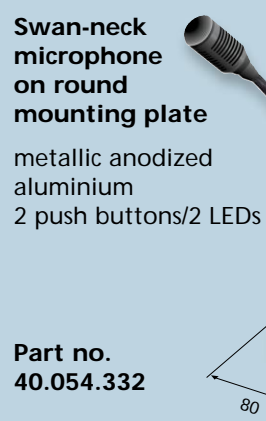
- Central unit
- Microphone, loudspeaker, push buttons and LEDs (see models on the right)
- Power supply 15V/1A DC
- RJ45 socket
- Induction rod (optional)

### Components - Public Side:

- Microphone and loudspeaker
- Call button (optional)
- Induction rod (optional)
- Programmable relay box (optional, f. ex. door lock release)



Part no. 40.054.331



Part no. 40.054.332

Loudspeaker to be ordered separately!

## Service Side

### Central Unit

The central unit is the key component of each installation. The case incorporates terminals for

- power supply (RJ12)
- service side peripherals (RJ45)
- optional headset/handset on the service side (RJ45)
- public side peripherals (RJ45)
- optional headset/handset on the public side (RJ10)

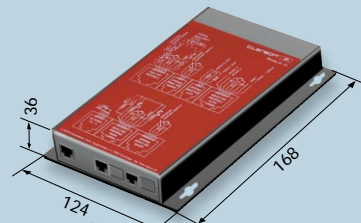
Individual volume control for

- service side
- public side
- public side microphone squelch sensitivity

- service side microphone squelch sensitivity
- headset/handset service side
- headset/handset public side
- gong

The central unit is normally mounted under the desk or on an adjacent wall.

Part no. 40.054.311



### Microphone Loudspeaker Unit

consisting of:

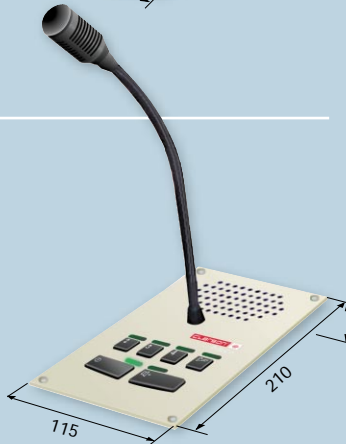
- swan-neck microphone, fully flexible, 36 cm
- built-in loudspeaker
- ON/Off button ①
- volume increase button ②+
- LEDs indicating current mode
- buttons 2/3/4 for additional public side positions
- door lock release button ③



### Desktop version

ABS case, RAL 260 40 10

Part no. 40.054.301



### Built-in version

metallic anodized aluminium plate

Part no. 40.054.302

### Swan-neck microphone on rectangular mounting plate

metallic anodized aluminium  
2 push buttons/2 LEDs

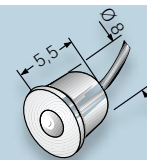
Part no. 40.054.331

### Swan-neck microphone on round mounting plate

metallic anodized aluminium  
2 push buttons/2 LEDs

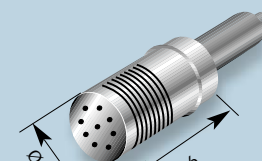
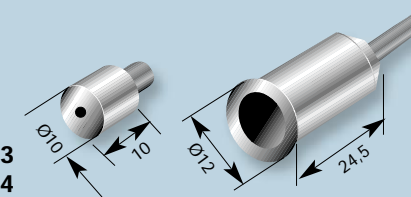
Part no. 40.054.332

## Public Side

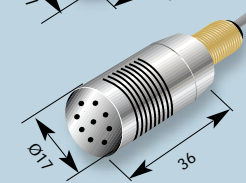


**Omnidirectional electret microphone**  
in stainless steel capsule, vandal resistant, 3,5 m connection cable  
Part no. 40.005.017

**Omnidirectional electret microphone**  
with plug, vandal resistant to be pressed into stainless steel capsule, 3,5 m connection cable  
Microphone Part no. 40.005.053  
Capsule Part no. 40.005.054



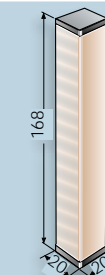
**Directional electret microphone**  
in stainless steel case with plug and jack, Ø17x 36mm, vandal resistant, 3,5 m connection cable  
Part no. 40.005.050



**Directional electret microphone**  
in stainless steel case, Ø17x36mm, vandal resistant, with M10x1 fine-pitch thread, 3,5 m connection cable  
Part no. 40.005.051

**Microphone mounting base**  
without microphone  
To be used at wide windows to ensure a max. speech distance of 50 cm to the microphone.  
Part no. 40.005.022

The above listed microphones will be delivered into the base, but should be ordered separately.



### Ordering Advices for Standard Configurations

#### Desktop version

Part no.	40.054.306
comprising:	
central unit	40.054.311
microphone/ loudspeaker unit	40.054.301
encapsulated microph.	40.005.017
power supply	40.054.300
RJ45 socket	40.054.305

#### Space-saving built-in versions

Part no.	40.054.304
comprising:	
central unit	40.054.311
microphone on plate	40.054.331
encapsulated microph.	40.005.017
power supply	40.054.300
RJ45 socket	40.054.305

#### Part no. 40.054.308

comprising:	
central unit	40.054.311
microphone on round mounting plate	40.054.332
encapsulated microph.	40.005.017
power supply	40.054.300
RJ45 socket	40.054.305

#### Built-in version

Part no. 40.054.303	
central unit	40.054.311
microphone/speaker on mounting plate	40.054.302
encapsulated microph.	40.005.017
power supply	40.054.300
RJ45 socket	40.054.305

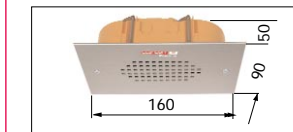


OPTIONS see overleaf Loudspeaker(s) to be ordered separately

## Loudspeakers for Service and Public Side

5 W / 8 Ω, mat natural anodized aluminium front panel, case spray painted in aluminium look to RAL 9006 or black plastic case, 5 m cable

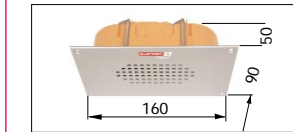
### Flush-mounted loudspeakers



Part no. 40.006.100



Part no. 40.006.101

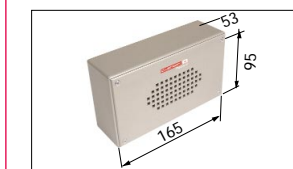


Part no. 40.006.102



Part no. 40.006.103

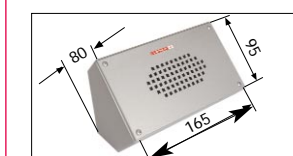
### Surface-mounted loudspeakers



Part no. 40.006.104



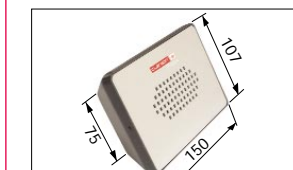
Part no. 40.006.105



Part no. 40.006.106



Part no. 40.006.107



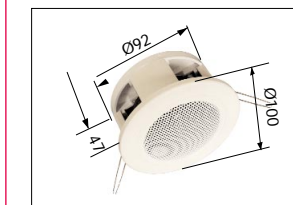
Part no. 40.006.108



Part no. 40.006.109

### Flush-mounted ceiling loudspeaker

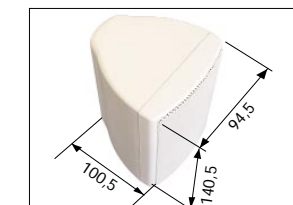
6 W / 20 Ω mounting ring and perforated alu grill white RAL 9016



Part no. 40.006.110

### Wall or ceiling-mounted box

10 W / 8 Ω plastic housing, metal grill, white RAL 9003 with mounting brackets

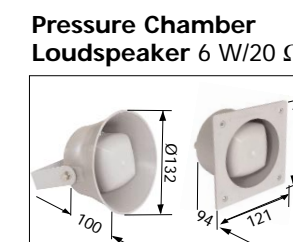


Part no. 40.006.111

### Surface-mounted loudspeaker 6W/20 Ω

plastic housing, perforated metal grill, white RAL 9016

Part no. 40.006.112



Part no. 40.006.113

flush-mounted Part no. 40.006.114