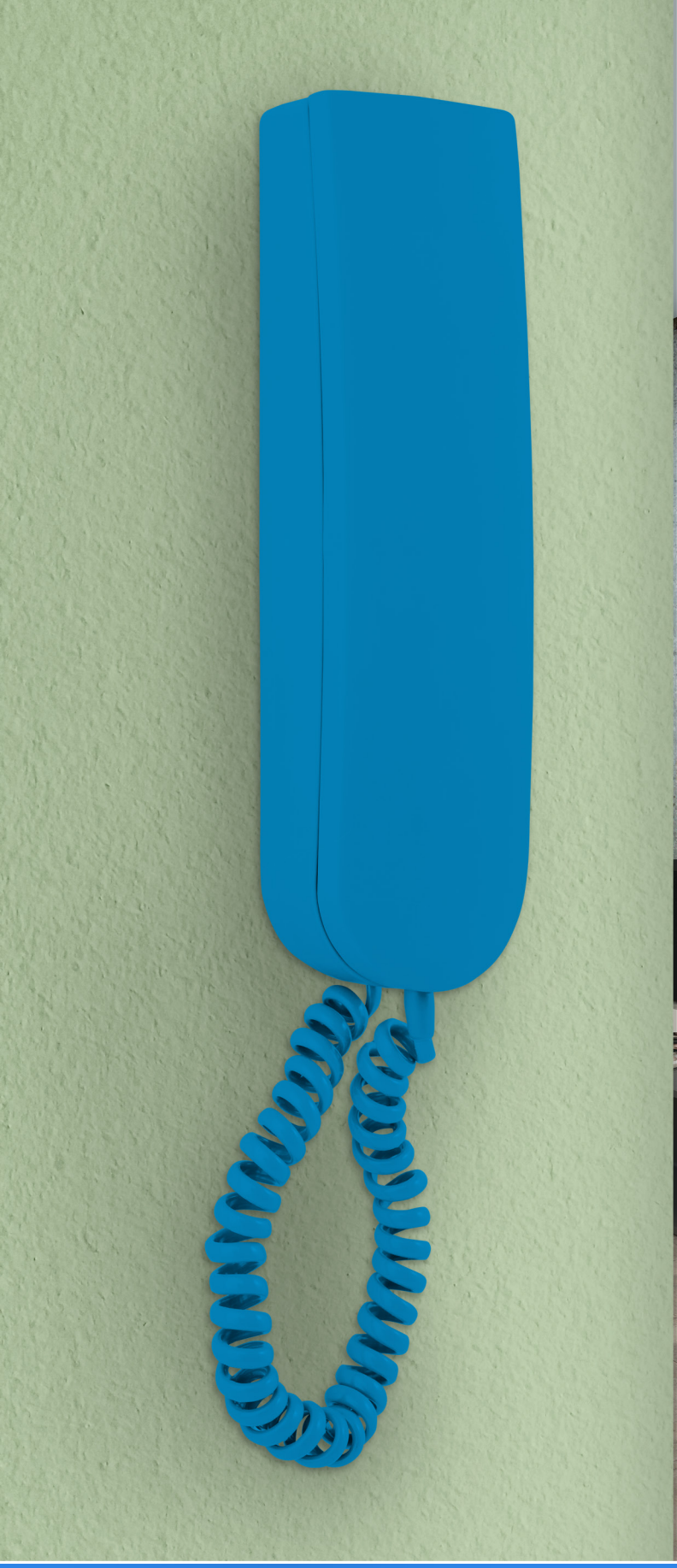


DOOR ENTRY HANDSET

LM-8/W-x, LM-8/W/1-6

EN

User manual

1. Installation and operating conditions

- before installing the door entry handset, read this manual and the installation manual for the doorphone system or video doorphone system in which the door entry handset will be used.
- the door entry handset should be installed in a place that is easily accessible to household members and in such a way that it does not pose a hazard to them.
- it is prohibited to connect the door entry handset to any installation other than an intercom system installed in accordance with the door entry handset manufacturer's instructions,
- the door entry handset should not be exposed to high temperatures or moisture,
- the door entry handset should be protected from being flooded with any liquids,
- do not cover the openings in the door entry handset housing, as this may cause the device to malfunction,
- do not insert any metal objects into the openings in the door entry handset housing, as this may damage the device,
- repairs may only be carried out by qualified persons; repairs carried out by unauthorised persons may void the warranty,
- if the door entry handset stops working, check that the call signal switch is not in the off position before calling for service.
- do not use organic solvents to clean the door entry handset housing. it is best to use a cloth moistened with warm water for this purpose.
- **do not hold the door entry handset to your ear when the door entry handset lever (fork) is pressed down, as this may cause a loud call signal to sound in the door entry handset, which may damage your hearing.**

Warning! We recommend that you read the operating instructions for the doorphone system in which this door entry handset is used. They describe in detail all the functions of the doorphone (e.g. use of the lock code and electronic keys) and the functions of the door entry handset, which may vary depending on the system and its configuration.

2. Purpose and features of the door entry handset

The door entry handset is designed for Laskomex digital doorphone systems. If the door entry handset is used in other types of doorphones, its operation may differ from that described in the manual. All models have an electric strike control button, while a gate drive control button is available in selected models. The electric strike control button is only active during a call. The gate drive control button can operate in two modes: always active or active only during a call. The operating mode depends on the position of the JP2 configuration jumper (see Fig. 5).

3. Using the door entry handset

3.1. Establishing a connection and conducting a conversation

After selecting the flat number from the numeric keypad of the door entry handset, a call signal will appear on the door entry handset. Lifting the handset during the ringing or within a specified time after the ringing has stopped (30 seconds by default) will establish a connection between the door entry handset and the door entry panel. Once the connection is established, you can talk, release the electric strike, and, in selected models, activate the entrance gate drive.

The conversation will end automatically after a specified time (standard 120 seconds), when the 'C' or 'X' key is pressed on the doorphone keypad, or when the handset is placed back on the base.

If the handset is placed to the side or is not placed correctly, the attempt to establish a connection will continue to be signalled on the door entry handset. In this case, the call signal is muted and repeated at twice the frequency.

Warning! Do not put the handset to your ear when the lever (fork) in the door entry handset is pressed! In this situation, a loud call signal may sound in the handset, which may damage your hearing.

3.2. Electric strike control

The electric strike can only be activated during a call by briefly pressing the LATCH button. The electric strike will be unlocked for the time set by the installer (5 seconds by default). The length of time the electric strike button is pressed is irrelevant. The electric strike can only be activated again after its operation, triggered by the previous use of the LOCK button, has ended.

3.3. Gate drive control

The LM-8/W/1-6 door entry handset has a GATE pushbutton for controlling the gate drive or other devices, such as staircase lighting.

The GATE pushbutton can operate in two modes. In the first mode, the drive can only be activated during a call, while in the second mode, the drive can be activated at any time. The first mode is enabled by default.

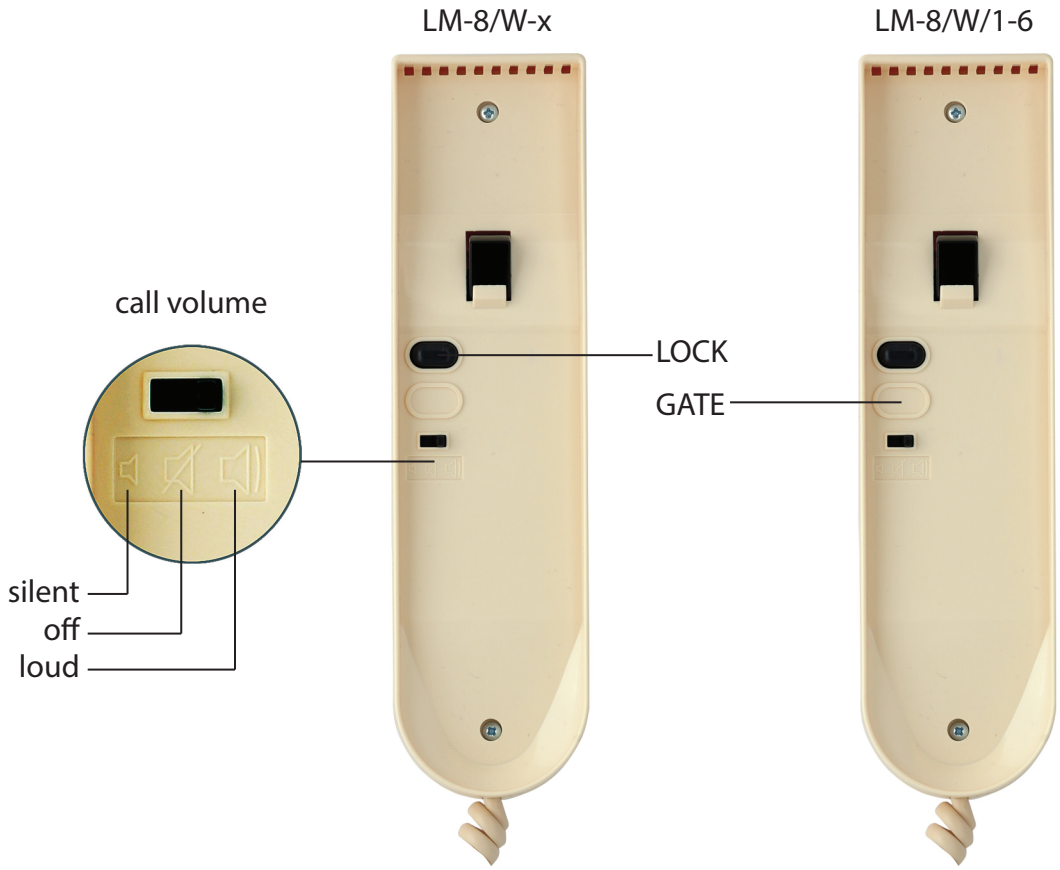


Fig. 1. LM-8/W-x and LM-8/W/1-6 door entry handsets.

3.4. Volume control and call switch

The door entry handset has a switch that allows you to turn off and change the volume of the call signal (see Fig. 1). To turn off the call signal completely, set the volume switch to OFF. Most Laskomex doorphone systems allow you to change the volume and tone of the call in the doorphone settings (e.g. the 'user menu' is available in CD-2502/2600/3100 doorphones). Detailed information on this can be found in the manuals for these doorphones.

4. Maintenance of the door entry handset

- if dirty, clean the door entry handset with a soft, damp cloth.
- avoid splashing water or other liquids inside the door entry handset, as this may damage the device.
- do not use abrasive materials that may scratch the surface of the housing,
- do not use petrol or any solvents or strong detergents for cleaning, as these may damage or discolour the surface.

5. Installation of the door entry handset

- the door entry handset should be installed inside the building at a height that ensures comfortable use of the device by all residents,
- the door entry handset is mounted to the wall using two wall plugs and screws. no other method of installation is recommended.
- to attach the door entry handset to the wall, unscrew the two screws on the front of the door entry handset and remove the cover.
- place the door entry handset in the desired location and mark the positions for the wall plugs.
- drill holes for the wall plugs, place the base of the door entry handset against the wall, insert the wires through the hole in the base and screw the base to the wall,
- connect the wires, paying particular attention to the correct polarity of the wires,
- program the number using the jumpers on the jp1 connector (see p. 6),
- in exceptional cases, two door entry handsets can be programmed with the same number,
- optionally set the operating mode of the gate pushbutton (only applies to lm-8/w/1-6 door entry handsets (see point 7),
- check the operation of the door entry handset,
- if the door entry handset does not work properly, check again that the door entry handset number is set correctly and check the voltage at the l+, l- terminals (5.5-6v dc in laskomex systems),
- if there is feedback during a call, you can reduce the microphone gain using the p1 potentiometer or configuration jumpers.

6. Setting the door entry handset number

Each door entry handset must be assigned a flat number. This is done using the JP1 programming connector (see Fig. 4). The number must be set in the range 1-254. Most often, the number set in the door entry handset is the same as the flat number where the door entry handset is installed. However, this is not a rule, because the doorphone can operate in one of several available numbering modes (e.g. hotel numbering mode or range shift mode), in which the number set in the device differs from the flat number.

The JP1 connector consists of 8 pairs of pins with the numbers 1, 2, 4, 8, 16, 32, 64, 128 visible.

Each number in the range 1-254 can be represented as the sum of the above numbers. If a number is part of the sum, a jumper is placed on the corresponding pair of pins.

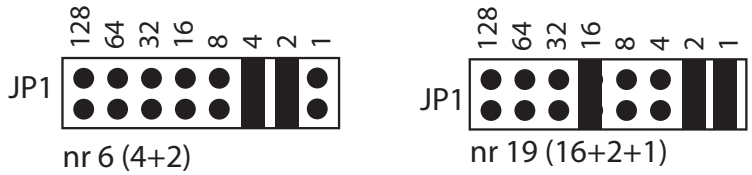


Fig. 2. Examples of setting the door entry handset number.

7. Gate control button operating mode

Pressing the GATE pushbutton on the LM-8/W/1-6 door entry handset causes the BR terminal to short--circuit to ground L- (the short-circuit lasts as long as the button is pressed). It can be used to control a gate or barrier drive as shown in Fig. 4. The GATE pushbutton can operate in two modes: active only during a call or active at all times. The operating mode is determined by the position of the JP2 jumper (see Fig. 5). With the JP2 jumper installed, the button is active at all times. The method of connecting the gate control button to the door entry handset system depends on the doorphone system in which the door entry handset is operating. Detailed information on connecting the door entry handset can be found in the system installation and system activation manual.

8. Connection diagram

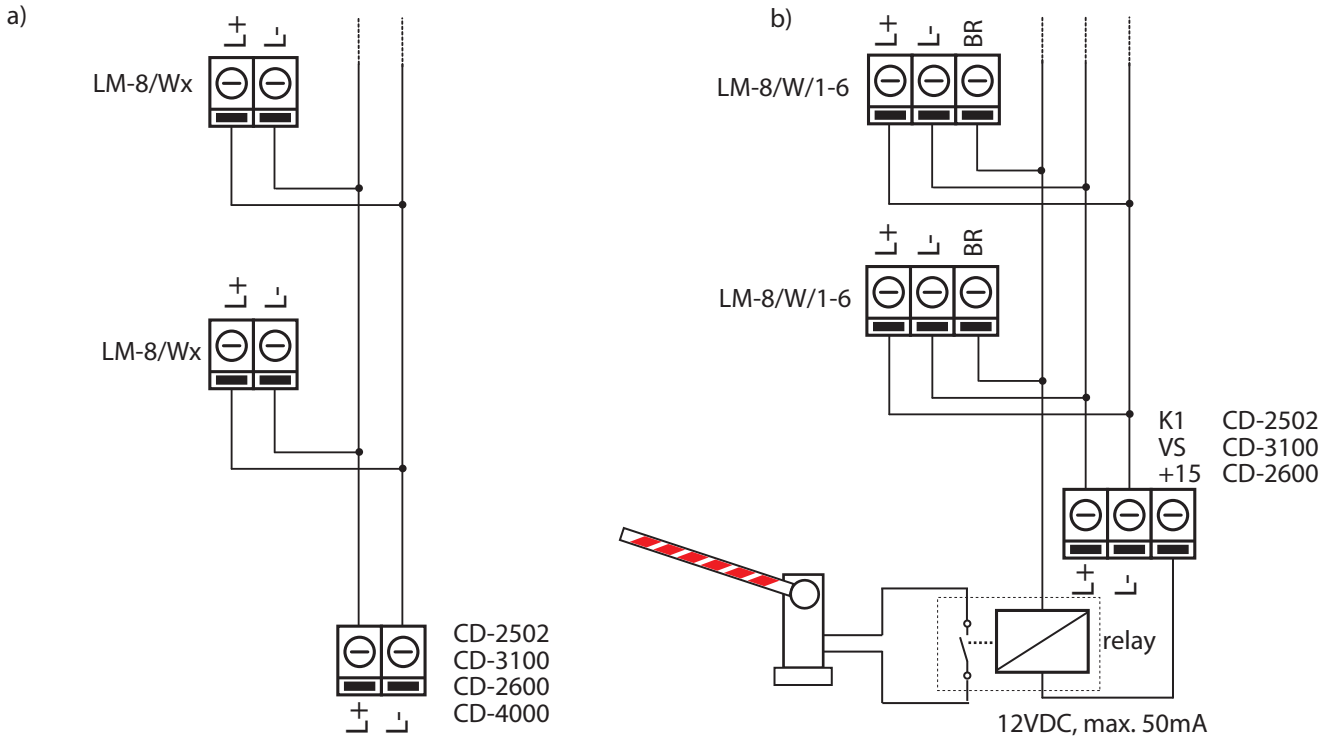


Fig. 3. Connecting the door entry handset to the doorphone system.

9. Technical data and description of terminals

Available models:

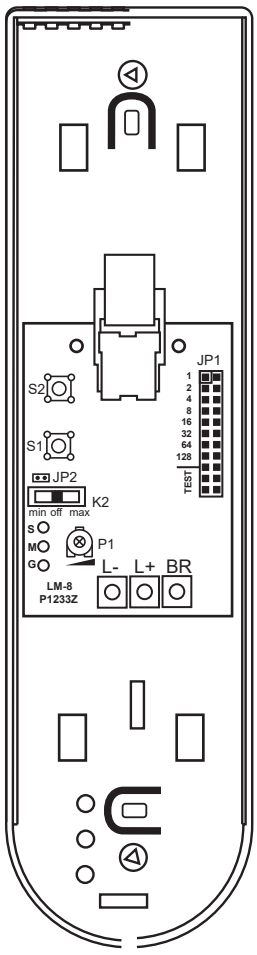
LM-8/W-x	basic model (x-version number)
LM-8/W/1-6	door entry handset with gate control button

Technical data

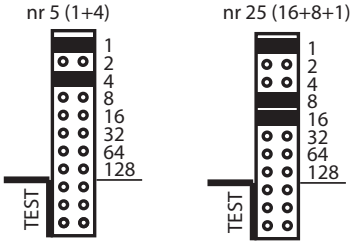
Protection rating	IP30
Dimensions	212x56x45mm
BR contact rating	max. 24V DC/20mA

Terminal description

L+, L-	audio line
BR	additional device control



JP1 - programming the handset number
example settings:



JP2 - GATE pushbutton (S3) operating mode

active during call
always active

JP3 - microphone amplification

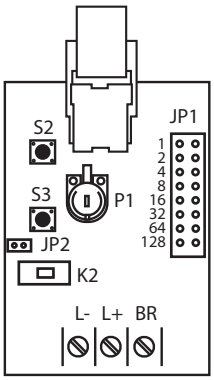
high
normal
low

K2 - call volume

silent
off
loud

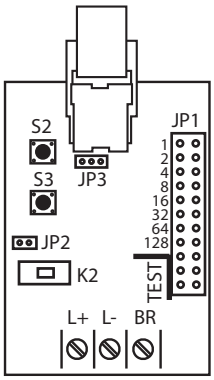
S2 - electric strike control (ZACZEP)
S3 - gate drive control (BRAMA)
TEST - test connector (for service purposes)

door entry handset versions



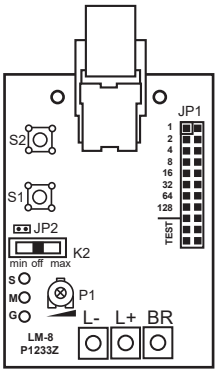
P1233Y version

version with potentiometer for smooth microphone gain adjustment (potentiometer P1)



version P1233X

version with stepwise microphone gain adjustment (JP3 connector)



P1233Z version
version with potentiometer for smooth microphone gain adjustment (potentiometer P1)

Fig. 5. Terminals, configuration jumpers and adjustment elements on the door entry handset PCB.

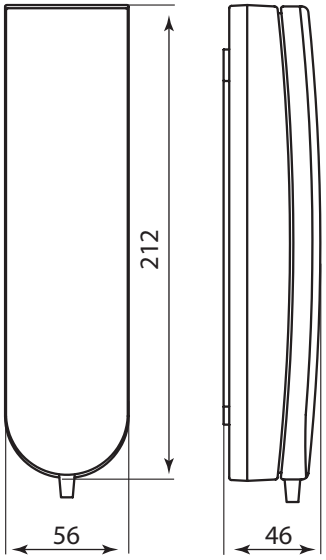


Fig. 6. Door entry handset dimensions.

ENVIRONMENTAL PROTECTION GUIDELINES

The product is marked with a crossed-out wheelie bin symbol in accordance with European Directive 2012/19/EU on waste electrical and electronic equipment. After use or at the end of its service life, it must not be disposed of with other ordinary household waste. The user of the product is obliged to return it to a collection point for waste electrical and electronic equipment, such as local collection points, shops, points designated by the manufacturer and appropriate municipal waste collection units.
The product packaging must be disposed of in accordance with environmental regulations.

Remember!
The selective disposal of used electrical and electronic equipment contributes significantly to the protection of human health and life and to the protection of the environment. Returning packaging materials to the material cycle saves raw materials and reduces waste.

LASKOMEX®

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LASKOMEX P.P.U.H. Janusz Chojnacki, ul. Dąbrowskiego 249, 93-231 Łódź, Poland
tel. + 48 42 671-88-00, handel@laskomex.com.pl, www.laskomex.com.pl, www.elektrozaczepy.pl