DIGITAL
CALL SYSTEM
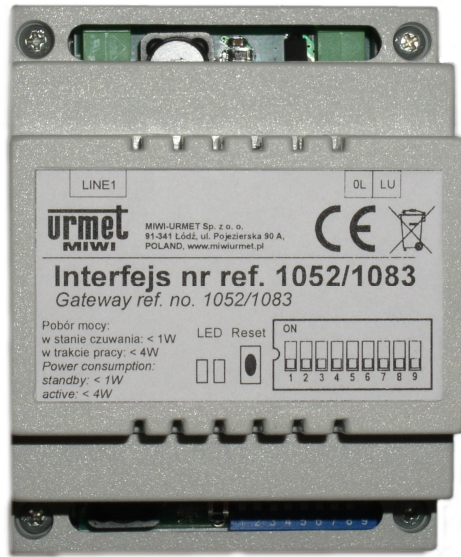
MATIBUS SE

&

2
voice

SYSTEM

INTERFACE (GATEWAY)
Ref. No. 1052/1083

INTERFACE REF. NO. 1052/1083

GENERAL INFORMATIONS

Interface Ref. No. 1052/1083 is a device which allows to connect doorphones of MatibusSE system to 2Voice system.
It supports up to 127 doorphones. Doorphones must be of the same type, eg. in the same rise can't be connected doorphones Ref. No. 1132/620 with advanced doorphones Ref. No. 1140/522. The interface Ref. No. 1052/1083 is connected to and powered from (using data line) one of the devices 2Voice system, eg.: ref. 1083/50, 1083/75, 1083/20A, 1083/76.
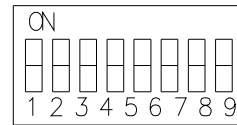
DESCRIPTION OF TERMINAL BOARDS

LINE1   Bus and power line in.

LU   Doorphones data line.
0L   Doorphones data ground (GND).

TECHNICAL DATA

Power:	StandBy	< 1W
	Operating	< 4W
Working temperature:	-5°C ÷ +45°C	
The maximum number of doorphones operated by the tne interface (pcs.)	127	
Doorphones line voltage (0L LU)	StandBy	12,5 V DC
	During the conversation	6 V DC
Dimensions (lenght. x width. depth.)	70 x 90 x 66 mm (4 DIN)	
Weight:	140g	

CONFIGURATION OF INTERFACE

The interface can be configured using the DIP switch.

The particular configuration:

DIP 1 – defines the type of doorphone:

> **OFF** – doorphones of system MatibusSE ref. no. 1132/520, 1132/620, 1131/620, 1140/622 and their various configurations.
> **ON** – advanced doorphones ref. no. 1140/522.

> WARNING: In the same rise can't be connected doorphones Ref. No. 1132/620 with advanced doorphones Ref. No. 1140/522.

DIP 2 – Pick-up time.

> This dipswitch enables or disables additional call signs while waiting for picking up the handset

> **OFF** – pick-up time is disable.
> **ON** – pick-up time is enable.

DIP 3 – Function of **T1** button in doorphones **with handset on-hook.**

> **OFF** – special function no. 1 (using ref. no. 1083/80).
> **ON** – switching relay in panel.

DIP 4 – Function of **T2** button in doorphones **with handset on-hook.**

> **OFF** – special function no. 2 (using ref. no. 1083/80).
> **ON** – special function no. 1 (using ref. no. 1083/80).

DIP 5 – Function of **T1** button in doorphones**.**

> Various functions associated with the DIP 5 are **depending on the type of doorphone**.

> Doorphones ref. no. 1132/520, 1132/620, 1131/620, 1140/622 and their various configurations:

> **OFF** – switching relay in panel.
> **ON** – special function no. 1 (using ref. no. 1083/80).

> These features work only **during the conversation through the doorphones** ref. no. 1132/520, 1132/620, 1131/620, 1140/622 and their various configurations.

> Advanced doorphones Ref. No. 1140/522:

- **During the conversation** through the doorphone:
  OFF – switching relay in panel.
  ON – special function no. 1 (using ref. no. 1083/80).

- Handset off-hook **without conversation**:
  OFF – feedback connection to panel.
  ON – switching relay in panel.

DIP 6 – Function of **T2** button in doorphones**.**

Various functions associated with the DIP 6 are **depending on the type of doorphone**.

<u>Doorphones ref. no. 1132/520, 1132/620, 1131/620, 1140/622 and their various configurations:</u>

OFF – special function no. 1 (using ref. no. 1083/80).
ON – special function no. 2 (using ref. no. 1083/80).

These features work only **during the conversation through the doorphones** ref. no. 1132/520, 1132/620, 1131/620, 1140/622 and their various configurations.

<u>Advanced doorphones Ref. No. 1140/522:</u>

- During the conversation through the doorphone::
  OFF – special function no. 1 (using ref. no. 1083/80).
  ON – special function no. 2 (using ref. no. 1083/80).

- Handset off-hook **without conversation**:
  OFF – call to switchboard.
  ON – special function no. 1 (using ref. no. 1083/80).

DIP 7 – Unused DipSwitch.
DIP 8 – Service DipSwitch (**must be set to OFF !**)
DIP 9 – Service DipSwitch (**must be always set to ON !**)

GREEN LED

After correct connection to Bus Line Power green LED lights up permanently. Additional LED indicates short circuit in rise line of doorphones. During the short circuit LED flashes periodically at intervals of 0.5 seconds.

RED LED

It is used for service programing.

BUTTON P1

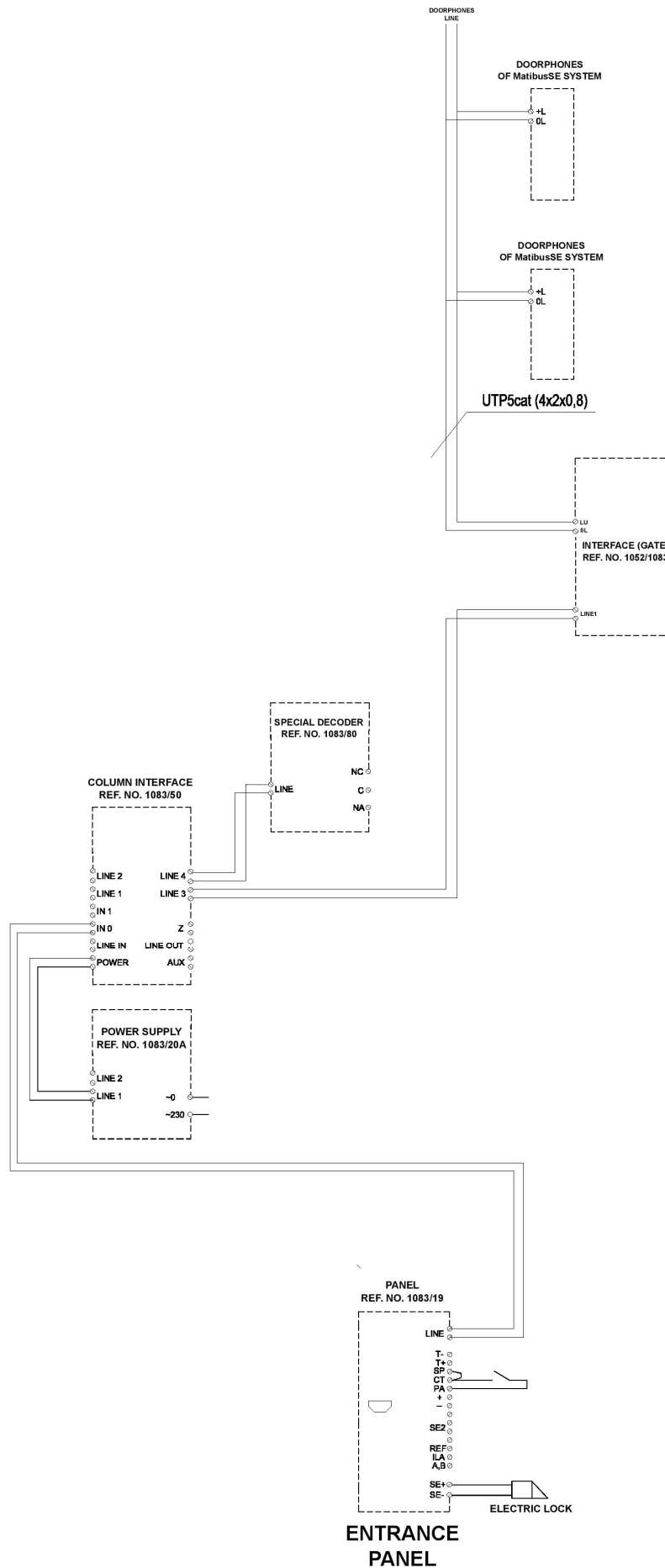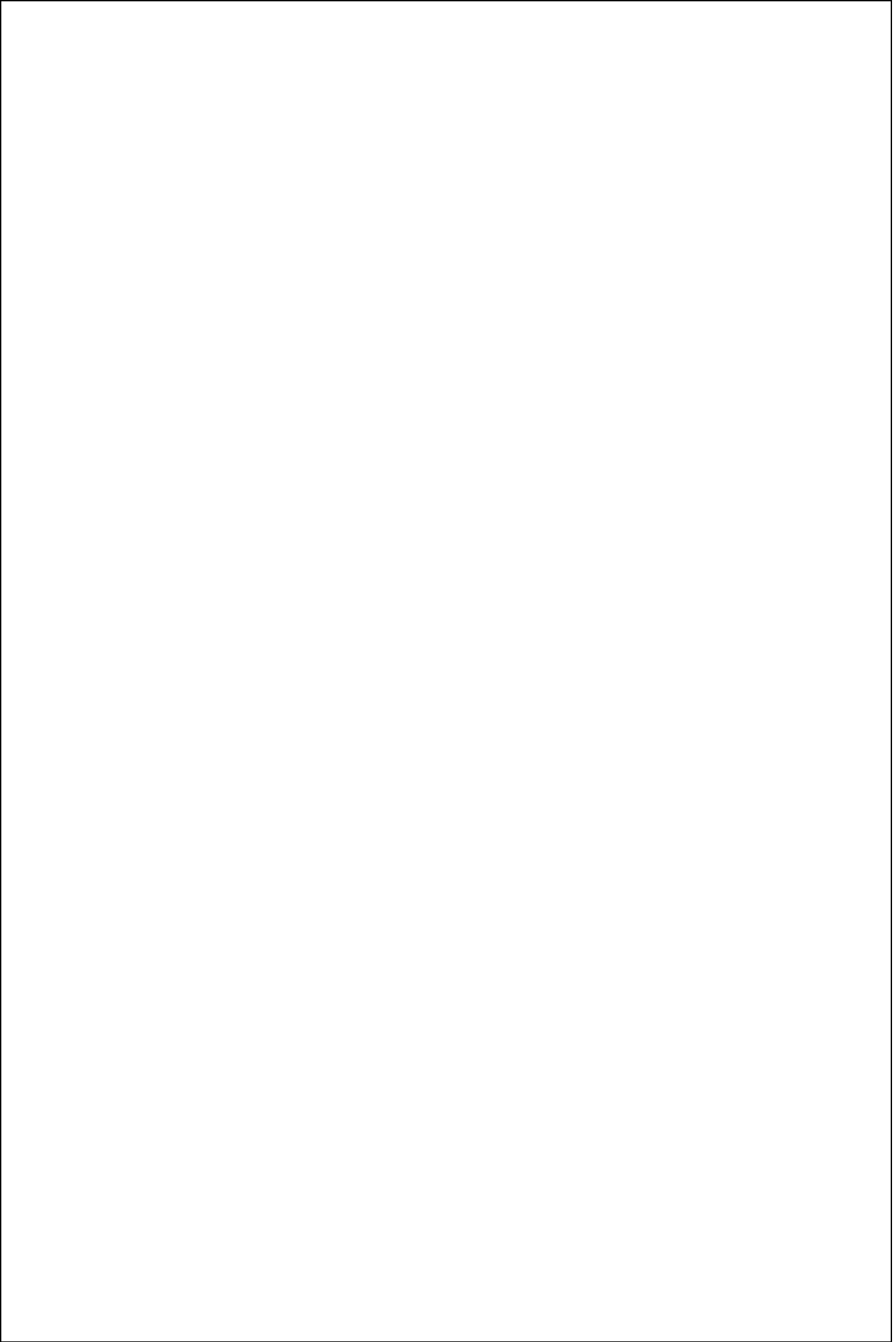Next to the DipSwitch section is a button P1. It is used for service programing.

MOUNTING

The device is designed for operation inside buildings. The interface is mounted on a DIN rail or screwed to the substrate using two screws or bolts of minimum dimensions f4 / 50mm. To install the interface on a DIN rail use a flat screwdriver to pull the pin locking, put the device on DIN rail, and then push the pin.

ELECTRICAL CONNECTIONS

Electrical connections should be performed by a person with knowledge of the basic issues of electrical engineering. All connections should be made in accordance with the attached schedule, and with disconnected power supply. The building installation should include, multipole connector adapter with at least 3 mm spacing between all poles. The supply voltage must be accompanied only after all connections and the protective cover after screwing supply terminals.

DOORPHONES
LINE

DOORPHONES
OF MatibusSE SYSTEM

+L
0L

DOORPHONES
OF MatibusSE SYSTEM

+L
0L

UTP5cat (4x2x0,8)

LU
0L

INTERFACE (GATE)
REF. NO. 1052/1083

LINE1

SPECIAL DECODER
REF. NO. 1083/80

NC
C
NA

LINE

COLUMN INTERFACE
REF. NO. 1083/50

LINE 2   LINE 4
LINE 1   LINE 3
IN 1
IN 0   Z
LINE IN   LINE OUT
POWER   AUX

POWER SUPPLY
REF. NO. 1083/20A

LINE 2
LINE 1   ~0
            ~230

PANEL
REF. NO. 1083/19

LINE

T-
T+
SP
CT
PA
+
−
SE2
REF
ILA
A,B
SE+
SE-

ELECTRIC LOCK

ENTRANCE
PANEL

4

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