MEM-O-MATIC

System 3.200

Stand: 19. March 2008

System 3.200

Function	Action	Reaction
Call the next	Push the button once	The display show the next call, flashing and the chime is sounding.
Correct the call number	Push the button and hold	The displays is flashing three times ore more and then the number is counting up fast until the button is not push.
Switch off the display better for life.	One hour after the last operation is the displays automatic switch off.	The displays is dark.
Switch on the display.	Push the button.	The display show the last call or the next call.
Adjust the Loudness from the chime.	Turn the potentiometer from the rear side.	The loudness from the chime is changed.

If there are any problems with the display, please control at first the power supply. If you used radio buttons, test the button directly in the front of the display for calling. If there nothing happens, please control the battery from the radio buttons.

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Important Information

Attention Please

One of the displays need an integrated Receiver. With Dip-switches this receiver get an address like the table 8 on page 6. The first Address is normally the „0“. The sender must have the same address „0“. For changing look to the table 7 SW 1 on page 5. If two or more displays are install in the same building, the addresses must be different.

For changing the counter number:

Unscrew the 2 cross screws on the rear side from the sender. Disconnect the Battery. On the electronic PCB you find 2 banks with 4 Dipswitches. The number SW 2 near the battery is for set the Counter number. Set this on for the counter number, which you want like the table 7.

For changing the Receiver Address:

Disconnect the display from power. Open the display, move the front panel away: On the top right side is a little PCB fixed on the big display PCB. With the four DIP-Switches it is possible to change the address like table 8.

For changing the Sender Address:

Open the sender, unscrew the both cross-screw on the rear side. Disconnect the battery. Inside there are two DIP-Switch banks. The one on the top is for changing the sender address, he is called SW 1, Address. This one must have the same setting as the one from the receiver like table 7.

Testing:

Connect the Display to the Power; connect the battery inside the sender, wait a minute. This time the display used for reading the DIP-Switch settings. After this the display should receive the signal from the sender. If nothing happened, wait some minutes and try again. If the display is not count up, check the DIP-switches from the display and from the sender.

On the rear side from the display and from the sender You should notice the address. If Your customer order a sender more, you can ask him for the address ! Also You should notice in Your paper.

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Some important points from the electronic

- increment the counter with wireless remote control
- switch off the display after one hour automatically
- the counter number are stored in a memory for disconnecting the power
- an interface
- 4 brightness setting
- 3 different Ding Dong
- smooth regulated volume

1. Environment for Installation

Working temperature	0 . . 50°C
Stock temperature	-20 . . 70°C
Air humidity	95 %
Weight	0,500 kg

2. Technical facts

Type	LED 7 segment display
Character high	1 x 60 mm / 2 x 100 m
number of lines	1
Inputs	Blank / Counter input (low active)
Interface	Master / Slave wireless remote control
number of displays :	max. 10
operating voltage	15V DC
Current	500 mA

3. Connection Western plug

1	power 15 V DC
2	Counter input
3	NC
4	GND
5	Sub- Interface
6	GND

4. Power Connection

out	GND
in	15 V DC

5. DIP-switch (On)

1	60 mm Display active	Brightness Control			Ding-Dong Setting		
2	Blank deactivate	A	B	Brightness	X	Y	Kind
3	Brightness A	OFF	OFF	0	OFF	OFF	3
4	Brightness B	ON	OFF	1	ON	OFF	2
5	Ding-Dong X	OFF	ON	2	OFF	ON	1
6	Ding-Dong Y	ON	ON	3	ON	ON	off

6. Wireless Connection

For installing the wireless interface it is only necessary to set the receiver PCB on the display PCB.

It is important to disconnect all power from the display PCB.

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7. Wireless sender

Frequency	433,92 MHz
Power supply	9 V Block
Addressing with	DIP-switch
Number of Address	16

Code:

1	2	3	4	Address
OFF	OFF	OFF	OFF	0
ON	OFF	OFF	OFF	1
OFF	ON	OFF	OFF	2
ON	ON	OFF	OFF	3
OFF	OFF	ON	OFF	4
ON	OFF	ON	OFF	5
OFF	ON	ON	OFF	6
ON	ON	ON	OFF	7
OFF	OFF	OFF	ON	8
ON	OFF	OFF	ON	9
OFF	ON	OFF	ON	10
ON	ON	OFF	ON	11
OFF	OFF	ON	ON	12
ON	OFF	ON	ON	13
OFF	ON	ON	ON	14
ON	ON	ON	ON	15

Setting Counter Number DIP switch (SW 2)

Code:

1	2	3	4	Address
OFF	OFF	OFF	OFF	0
ON	OFF	OFF	OFF	1
OFF	ON	OFF	OFF	2
ON	ON	OFF	OFF	3
OFF	OFF	ON	OFF	4
ON	OFF	ON	OFF	5
OFF	ON	ON	OFF	6
ON	ON	ON	OFF	7
OFF	OFF	OFF	ON	8
ON	OFF	OFF	ON	9
all other Combination				blank

for Addressing the sender must open

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8. Receiver PCB

Frequency	433,92 MHz
Power	from display PCB
Connection	for 60 mm 7-segment counter display 10 pole. HE 14 plug 1:1
Addressing with	DIP-switch
Number of Address	15

code:

1	2	3	4	Address
OFF	OFF	OFF	OFF	0
ON	OFF	OFF	OFF	1
OFF	ON	OFF	OFF	2
ON	ON	OFF	OFF	3
OFF	OFF	ON	OFF	4
ON	OFF	ON	OFF	5
OFF	ON	ON	OFF	6
ON	ON	ON	OFF	7
OFF	OFF	OFF	ON	8
ON	OFF	OFF	ON	9
OFF	ON	OFF	ON	10
ON	ON	OFF	ON	11
OFF	OFF	ON	ON	12
ON	OFF	ON	ON	13
OFF	ON	ON	ON	14
ON	ON	ON	ON	15

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Manufacturer:
MEM-O-MATIC
Jasminstraße 4
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Germany

declares that the product:
Indicator board / ALPHA AT-60-100

conforms to the following Product Specification:

EN 50 081-1 [1993] Electromagnetic radiation
EN 55 014 [1993], EN 55 022 [1997]

EN 50 082-1 [1997] Electromagnetic immunity

EN 61000-4-2 [1995]	Electrostatic discharge
EN 61000-4-3 [1995]	Radiation 80 - 1000 MHz
ENV 50 204 [1995]	Radiation 900 MHz
EN 61000-4-4 [1995]	Transients
EN 61000-4-5 [1995]	Surge
EN 61000-4-6 [1996]	High frequency on line 0,15 - 80 MHz
EN 61000-4-11 [1994]	Main Power changing

The Indicator-board are conform to the guideline 89/336/EEG.

Bad Segeberg, the February 15th 1999

Alwin Reithinger
Technical Leader

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