MEMCOM

QUICK-START GUIDE
PART NO. 450 000

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ISSUE 3

MEMCO

INTRODUCTION

There are two versions of the Memcom, both designed for easy installation.

- COP Car Operating Panel – Inside the Lift Car; 24V DC
- TOC Top of the Lift Car; 24V DC or 90-230V AC

INSTALLATION

COP - Car Operating Panel

Install the Memcom COP to the back of the lift control panel this should have been prepared in advance. Connect the telephone line, the lift alarm push button and any required Memcom Multi Point Station as per the wiring diagrams Fig 1, 2 & 3. The Memcom has built-in LEDs for green & yellow pictograms, microphone & speaker; however a range of accessories and features can also be added if required. Always connect the earth first before applying 90-230V AC or the 24V DC.

TOC – Top Of Car

Install the Memcom TOC to the top of the lift car where it is unlikely to be stood on. It should be located in a fixed position using the screws provided. The rubber feet must not be removed as this can create feedback and prevent correct operation. Connect the telephone line, the lift alarm push button and any required Memcom Multi Point Station as per the wiring diagrams Fig 1, 2 & 3 using the power connector shroud 006 309. The Memcom TOC microphone & 4m cable will need installing to the COP or to a high position in the car, such as in a false ceiling, lighting diffuser or air vent. It may be necessary to test the optimum microphone location. The built-in speaker is powerful and will be audible in the lift car; however a range of accessories and features can also be added if required. Always connect the earth first before applying 90-230V AC or the 24V DC.

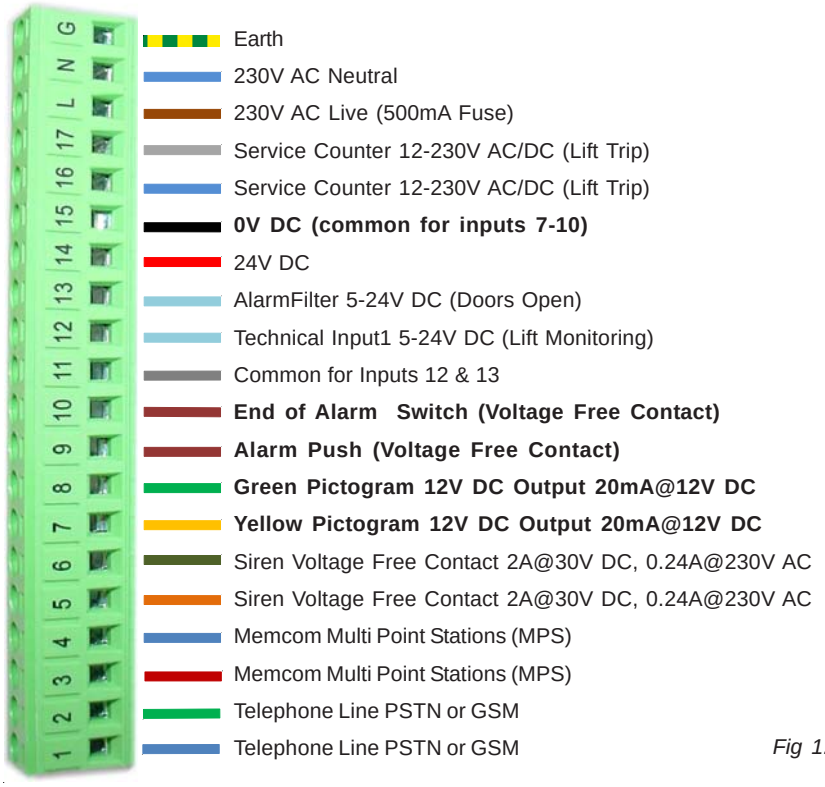

Fig 1. Terminal Connection Block

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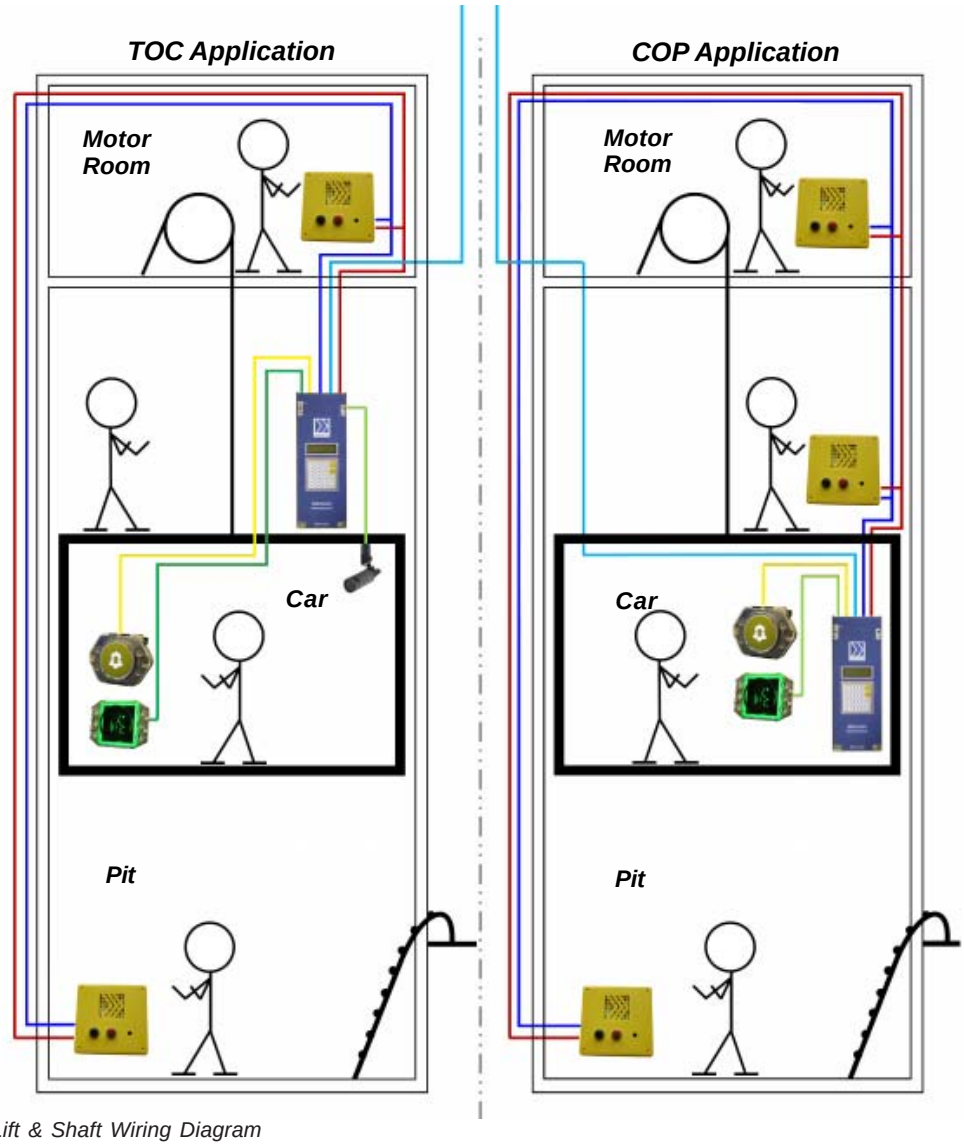
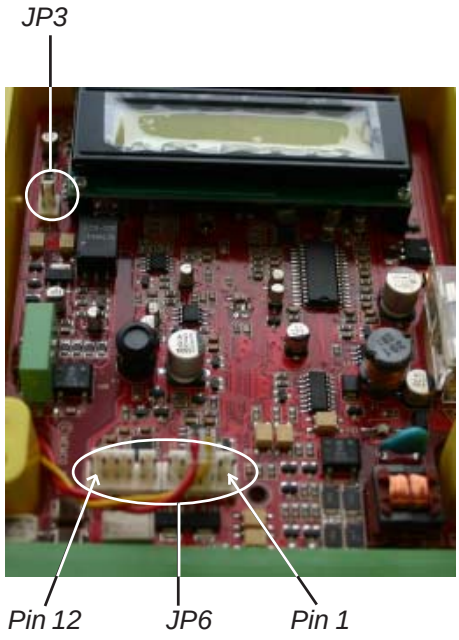


Fig 2: Lift & Shaft Wiring Diagram

Accessory Connector

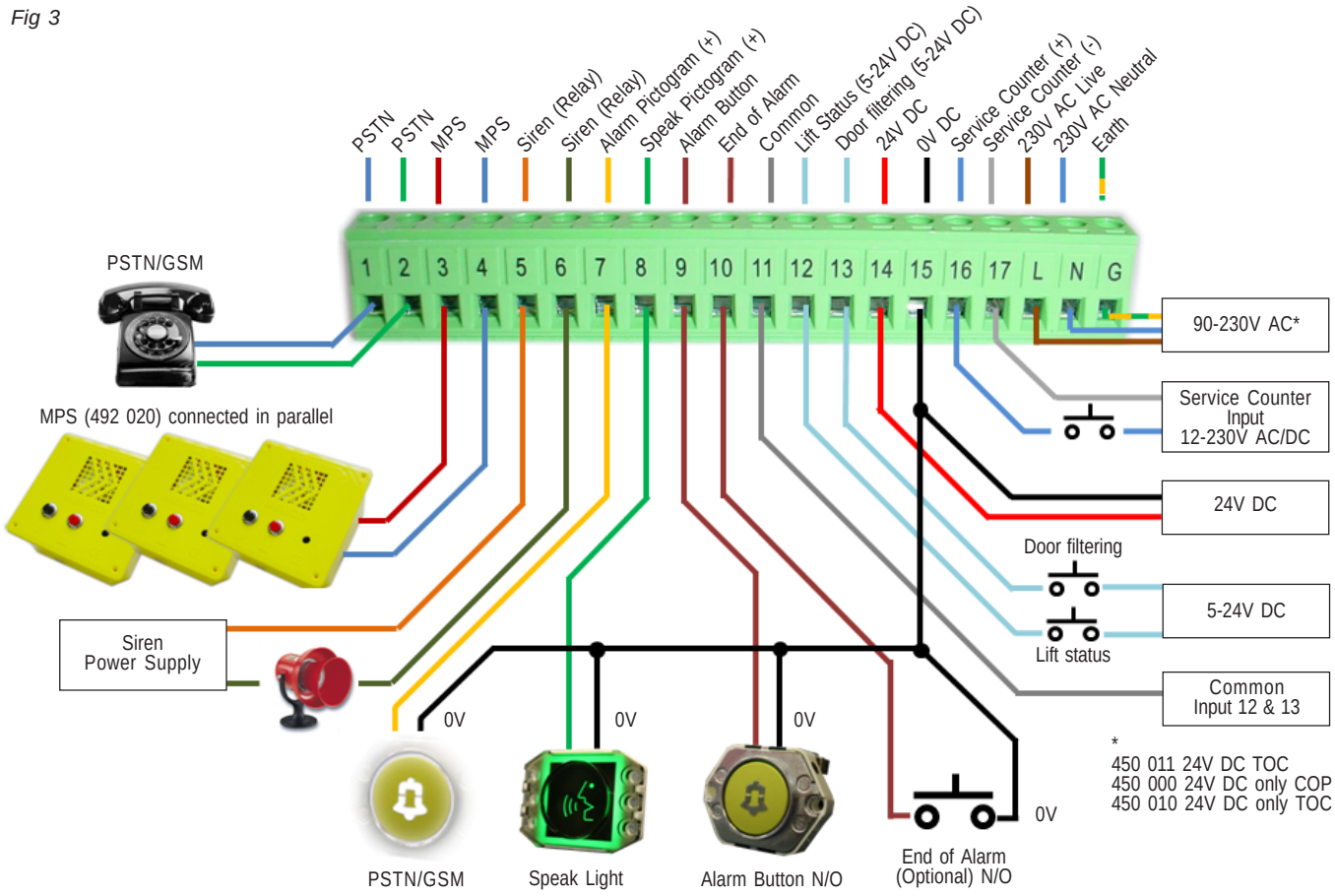
JP6	Function
1	Memcom Inductive loop +
2	Memcom Inductive loop -
3	External speaker 4-32 Ohm
4	External speaker 4-32 Ohm
5	
6	
7	
8	
9	GSM 0v DC
10	
11	
12	GSM +12v DC
JP3	**Function**
1	External microphone +
2	External microphone -



PCB showing connectors JP3 & JP6

Memcom Connection Diagram

Fig 3



Inductive Loop: For the hard of hearing

Remove the cover of the Memcom by unscrewing the 4 retaining screws and earth screw if fitted; please ensure the power has been disconnected. The Inductive Loop consists of an amplifier and IL cable which is normally installed behind the COP. The wire is formed into 3 loops which is the optimum for signal strength generation. The Inductive Loop is plugged into the Pins 1 & 2 of the accessory header inside the Memcom (see Fig. 4).

Networking

The Memcom has been designed to allow up to a maximum of 8 Memcoms connected to one line without using additional hardware. Each individual Memcom is programmed with an extension number (Network ID) to allow remote access.

Photo JP6 Memcom Accessory Header

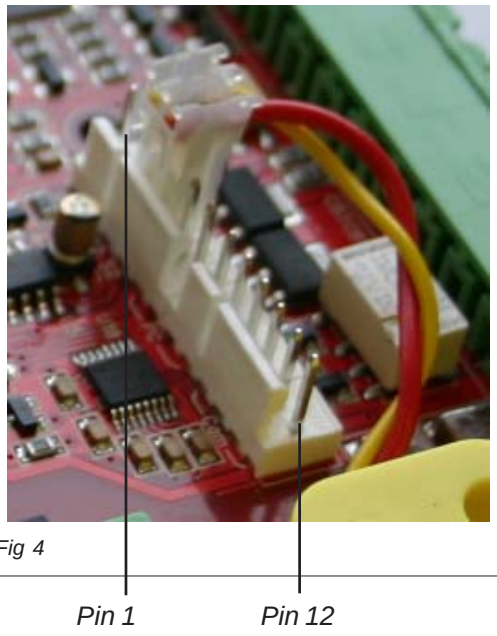


Fig 4

Connect Power to the Memcom

The display should illuminate and display Memco Lift Alarm
After applying 24/240V AC power:-

- If no EN81-28 test call number (*16) is programmed – a test call will not be made.
- If an EN81-28 test call number (*16) is programmed and the battery is good – a test call will not be made.
- If an EN81-28 test call number (*16) is programmed and the battery is low (it may have been running on battery after a power cut which then flattened the battery) – a test call is made.

General Operation

- To enter programming mode press * then the password (default is 1234) followed by the # key. The display shows: "**Use * Cmds or ▲ & ▼ Keypad**" once the correct password is entered.
- Use the ▲ & ▼ arrows to navigate the menu structure.
- To program a new value, type in the new information and press the # key to confirm.
- To delete a value enter *#. This is applicable to all programmable parameters.
- To go directly to a programming screen without the arrow keys press the * (star) followed by the short cut e.g. 22 for programming the Password.
- The shortcut numbers are displayed on each screen.To go back to the top of the menu screens press #.If you have modified a command press # first to save the parameters and then a second # to return to the main menu.
- To abort a call press and hold the # key for 4 seconds and the call will be aborted
- To switch off & prevent a flat battery when power is disconnected, (Display will flash" Power turned off") the Memcom will sound a series of beeps, then turn off, to turn on re-apply power.
- Alarm calls are inhibited in programming mode.
- When dialling a Memcom remotely via a telephone, dial number, after the Memcom has answered, press # to talk and *# to end.
- When programming remotely via a telephone, dial number, after the Memcom has answered, press * password (1234 Default) # to enter programming mode.
- When programming remotely via a telephone, the programmed telephoned numbers can be checked, follow procedure above to enter programme mode and simply press *11#, for example, and telephone alarm number 1 will be audibly read back.

Programming Menu Structure

Alarm Nos
11 1st Alarm No.
12 2nd Alarm No.
13 3rd Alarm No.
14 4th Alarm No.
15 Tech Alarm No.
16 EN81-28 Test Call Alarm No.
17 Dial Attempts 1-9

Options
21 ID Code 9 digits
22 Password 6 digits
* view/change
23 Volume 0-9
24 Set Time
25 Set Date
26 Hardware Opt
27 Hardware Monitor
28 Extension Number
29 GMT offset

Call Delays
31 In Car Delay
32 Answer Delay
33 MPS Delay
34 TOC Delay
35 Tech 1 Delay
36 Tech 2 Delay
37 Test Call Time

Messages
41 Location
42 Reassurance
43 Guidance
1 Play
2 Record
3 Unlock/Lock

Service Counter
51 Serv. Interval
52 Service Count (Write)

Software
91 SW/HW Version
92 Service Count (Read)
93 Service Due
94 Total Trips

Exits
01 Exit without test call
02 Exit with test call 1st alarm number
03 Exit with test call 6th alarm number (EN81-28 test call)

Languages
61 Language

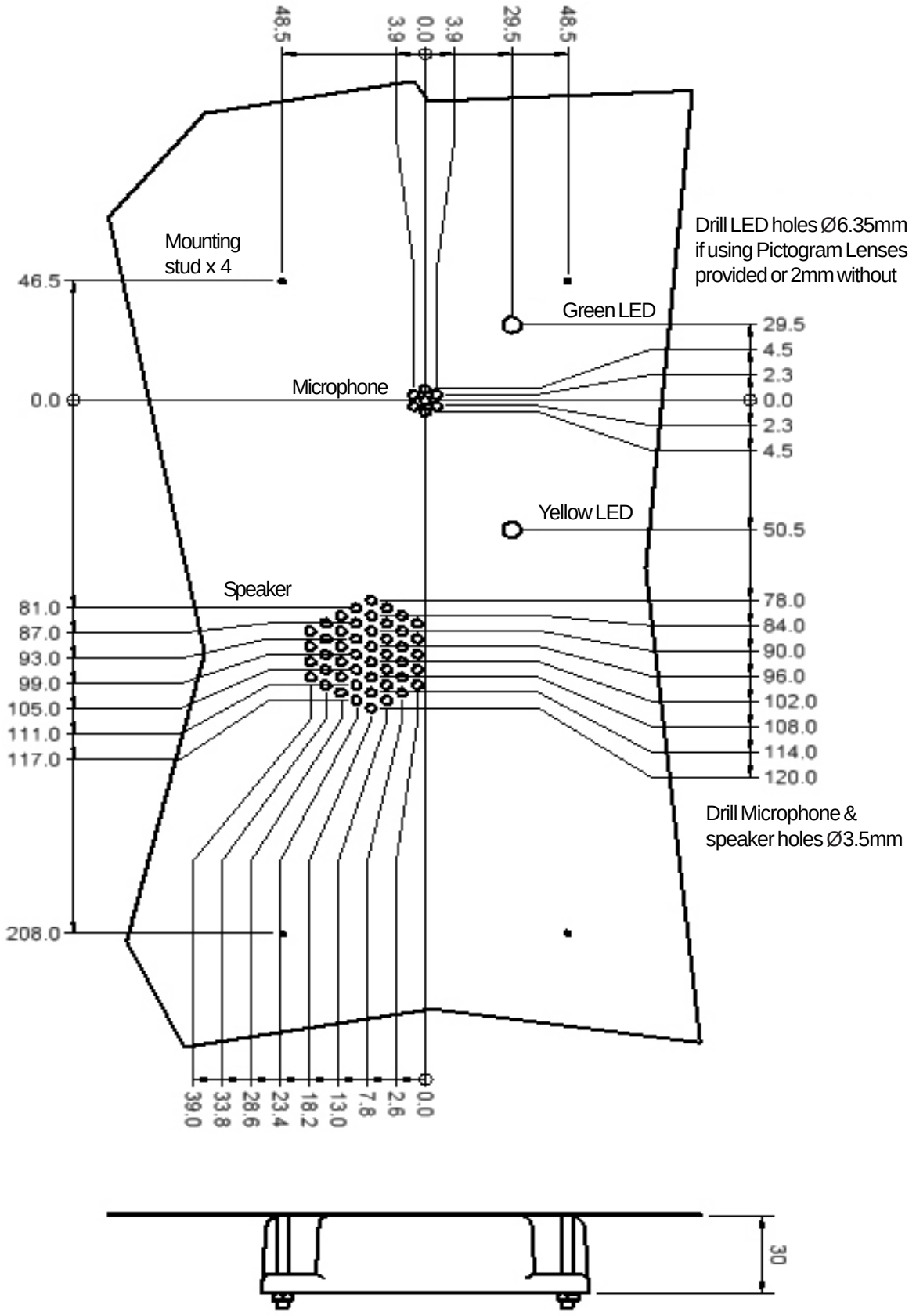


Fig 4: Memcom Fixing Diagrams

Keypad Quick Programming

There are 3 programming options for the type of Memcom Alarm Call;
(1) (Tel. No.)# = Confirmation. The call receiver must push # to speak, or 3 for location message.
(2) (Tel. No.)**0# = No Confirmation. No message guiding call receiver, no push required, 3 for location.
(3) (Tel. No.)**1# = Memcom ETR Software. The call receiver has PC Software for easy call handling.
**3# = P100 Protocol (not compatible with ETR Software or Globalnet Monitoring Software).
(4) (Tel. No.)**4# = This should be used when the Memcom is connected to a hotline.

There are 6 different programmable Alarm numbers.
Nos 1 to 4 Telephone numbers to receive alarm calls, Confirmation or No-Confirmation any mix.
No 5 Technical alarms for monitoring battery, and technical inputs.
No 6 EN81-28 test call number 3Day check call to ensure the Memcom is working.

To enter the password, press * key on the keypad, enter the Memcom default code 1234 followed by #; this will allow access to programing mode. Use the * Cmds or ▲ & ▼ on keypad to navigate the menu structure.

Remember when programming, always use # to confirm a change followed by another # to return to the menu.

(A) Confirmation Calls- Operator Receives Recorded Message

Press	Name	Function
*11	1st (telephone alarm number) #	Program 1st number
*12	2nd (telephone alarm number) #	Program 2nd number
*13	3rd (telephone alarm number) #	Program 3rd number
*14	4th (telephone alarm number) #	Program 4th number
*15	5th (telephone alarm number) **1#	Program 5th number Technical Alarm
*16	6th (telephone alarm number) **1#	Program 6th number EN81-28 Test Call

Press	Name	Default	
*23	Volume	TOC 5, COP 0	Adjustable between 0-9 (0 = minimum setting)
*31	In-Car delay	005	Adjustable between 1-10 seconds (0=disabled)
*33	MPS delay	001	Adjustable between 1-10 seconds (0=disabled)
*34	Top of Car delay	001	Adjustable between 1-10 seconds (0=disabled)
***41**	**Location message Recommended**	Blank	**1: Play Location 2: Record Location Message 3: Unlock/Lock Message**
*01#	Exit program		Exit program without making an alarm call
*03#	Exit program		Exit programming and call Alarm number 6 EN81-28
*021#	Exit program		Exit programming and call Alarm number 1 only
*022#	Exit program		Exit programming and call Alarm number 2 only
*023#	Exit program		Exit programming and call Alarm number 3 only
*024#	Exit program		Exit programming and call Alarm number 4 only
*035#	Exit program		Exit programming and call Alarm Number 5 Technical Alarm

(B) Non confirmation Calls-No Recorded Message for the Operator

Press	Name	Function
*11	1st (telephone alarm number) **0#	Program 1st number
*12	2nd (telephone alarm number) **0#	Program 2nd number
*13	3rd (telephone alarm number) **0#	Program 3rd number
*14	4th (telephone alarm number) **0#	Program 4th number

Advanced Settings

Press	Name	Default	Function
*21	ID code	Serial No.	A unique 9-digit ID (Serial No. of unit) code if used with the PC or Web software
*22	Password	1234	Up to 6-digit password to view change.
*24	Set time		HH MM It is set by pressing the number keys then # to confirm
*25	Set date		DD MM YY The date is set by pressing the number keys then # to confirm
*26	Hardware opts	12 TOC 8 COP	1 = EN81-28 operating mode 2 = Service Input = Tech.2 4 = External microphone options 8 = Consecutive dial mode 16 = Enable Memcom GSM module 64 = Alarm Input N/C 128 = Czech, Greek, Italian dial tone cadences for use with multiple Memcoms only 256 = Service Input as Alarm Activation Any combination can be programmed; enter the sum of the numbers
*27	Hardware monitoring	39	1 = PSU 2 = Battery supply 4 = Phone line, (Do not use if connected to a hotline) 8 = GSM No signal 16 = GSM Low signal 32 = Microphone/speaker test Any combination can be programmed; enter the sum of the numbers.
*28	Network ID	0	Set an extension number 1-8 where units share a phone line.
*32	Answer delay	2	Set the number of rings the Memcom detects before it picks up
*42	Reassurance message	Std msg	1 = Play message 3 = Unlock/Lock Message 2 = Record message
*43	Guidance message	Std msg	1 = Play message 3 = Unlock/Lock Message 2 = Record message
*61	Language		0 - English 1 - German 2 - French 3 - Italian 4 - Spanish

Note:
Memco can supply an adaptor 450-882-02 which can be wired into the PSTN line on the Memcom. This allows the line to be checked using a handset instead of checking the line in the Motor Room.