

10

PROGRAMMING

STEP 1
To Enter into programming press and hold STEP and INC buttons simultaneously until the red LED flashes.

STEP2
Follow the blocks 11 - 15 to program the necessary option.

STEP3
Once the programming option is programmed the green LED will flash until both STEP and INC buttons are pressed to exit programming. If no buttons are pressed programming will exit after 10 seconds.

11

PROGRAMMING THE WIRELESS CODE

Enter into programming (block 10 step 1)

Press the INC button once for 10bit code, or three times for 16bit (SMART)

Press STEP

Enter the code in digit format as indicated below (4 digits-10bit, 5 digits-16bit SMART)

Example: to set wireless code of "1234" (smart)
0 1 2 3 4
STEP INCx1,STEP INCx2,STEP INCx3,STEP INCx4,STEP

Example: to set wireless code of "16" (smart)
0 0 0 1 6
STEP STEP STEP INC x1 & STEP INC x6 & STEP

(RED LED flashes once after each press of step)

Note: Max number for 10bit code is 1023 and max number for 16bit code is 65535

12

CALCULATING THE 10BIT CODE

For legacy products

E.g. For 10 bit code : 0101011100 the table below gives the binary sum of 234 by adding the binary numbers where the dipswitch is on.

BIT NUMBER	1	2	3	4	5	6	7	8	9	10
DIPSWITCH	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	OFF
CODE	0	1	0	1	0	1	1	1	0	0
BINARY VALUE	1	2	4	8	16	32	64	128	256	512
ADD		+2		+8		+32	+64	+128		
EQUAL	=00234 (The 10bit code must be 5 digits)									

{ 0 2 3 4 }
STEP - INC X2 & STEP - INC X3 & STEP - INC X4 & STEP
(0's must be inserted to make up 4 digits)
(RED LED flashes once after each press of step)

13

SETTING THE CHANNEL/ZONE

Enter into programming (block 10 step 1)
1. Press the INC button twice.
2. Press STEP
3. Press INC for the channel number count. Press STEP

For a GATTO receiver:
The channel that is programmed into the WLBv2 corresponds to the relay number on the Gatto receiver.

For Tracer, M6:
The channel programmed into the WLBv2 corresponds to the zone number on the panel, however it is necessary to add a count of 7 when programming. For example, in step 3 above, to program zone 3, INC needs to be pressed 10 times

NOTE:
For Homeguard select a channel count of 8

14

EXTERNAL INPUT

The external input channel is programmed the same way as the channel setting using a menu option of INC 8 times instead of twice in Step 1 of Block 13

CHECKING-IN

If the alarm panel (Tracer, M6, Homeguard) is programmed for zone supervision, it is necessary to program checking in of the WLBv2

1. Enter into programming (block 10 step 1)
2. Press INC 4 times, Press STEP
3. Press INC to toggle enabling and disabling of check-in, indicated by the red LED. 1 Flash = ENABLE, 2 Flashes = DISABLE
4. Press STEP

15

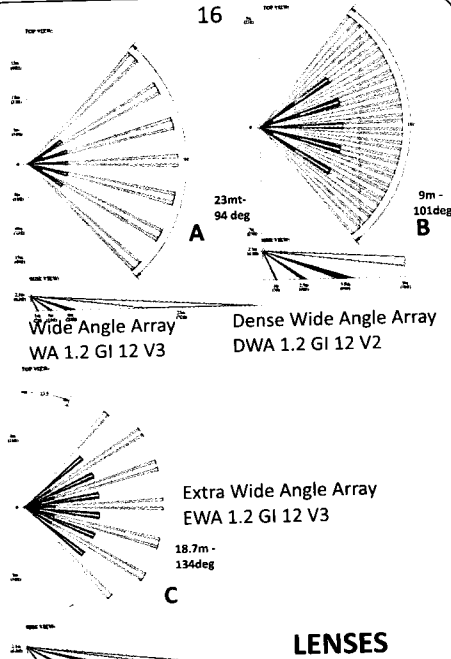
DETECTIONS AND SLEEP TIME

The WLBv2 may now be programmed to go to sleep only after a certain amount of detections. The WLBv2 by default comes with the best power setting. (trigger once sleep for 3 minutes). The trigger and sleep times can both be customised for the application.

1. Enter into programming (block 10 step 1)
- Sleep duration:**
2. Press INC 6 times, Press STEP
3. Press INC for the number minutes you wish the WLBv2 to sleep before re-activating.
4. Press STEP

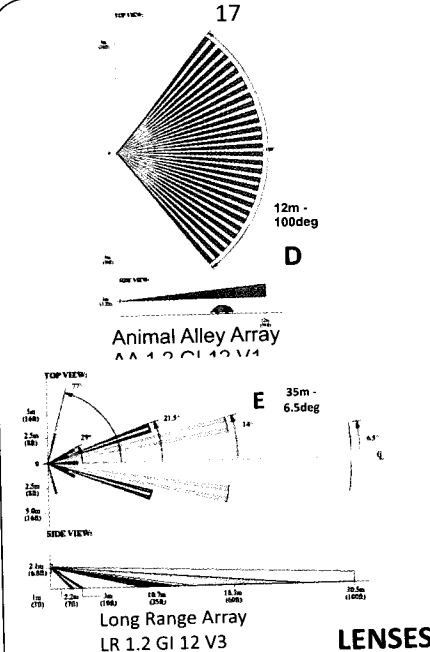
- Detection times:**
2. Press INC 7 times, Press STEP
 3. Press INC for the number of detections you wish the WLBv2 to transmit before going to sleep.
 4. Press STEP

16



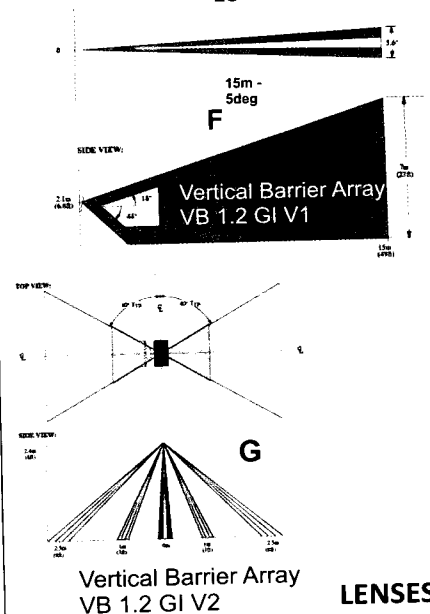
LENSES

17



LENSES

18



LENSES

M000097

WLBV2

REVERSED WIRELESS PASSIVE INFRARED
INTRUSION DETECTOR
INSTALLATION INSTRUCTIONS



MAMI

Manufacturing And Minor Inventions

• 21 Hubert Mathew Road, Iliandale, 1609
• Tel +27 11 452 4737 • Fax +27 11 452 4738
• www.mami.co.za

M000097-2

FEATURES:

- * Dual element pyrosensor
- * RF immunity
- * Tamper circuit
- * High-Tech design
- * Hermetically sealed pyrosensor
- * Insect / corrosion protection on P.C.B.
- * Swivel mounting bracket included
- * Computerized extensive testing and burn-in
- * Ability to transmit both 10 bit, SMART (16 BIT) and SMART24
- * Programmable check-in
- * Battery Low Reporting
- * Wireless Tamper Reporting
- * Low Power

PLEASE NOTE:

WHEN POWERING UP THE UNIT, 2 GREEN FLASHES INDICATES BATTERY OK, 2 RED FLASHES INDICATES A BATTERY LOW

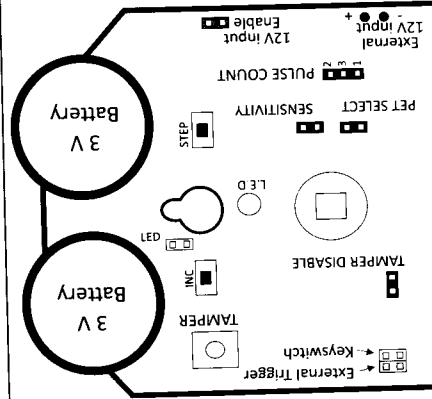
THE WIRELESS PASSIVE WILL ONLY BE ABLE TO TRIGGER AFTER A STARTUP DELAY PERIOD OF 4 MINUTES WHILST THE PYROSENSOR SETTLES

DURING THE NEXT 10 MINUTES THE WIRELESS PASSIVE WILL BE ABLE TO TRIGGER EVERY 30 SECONDS FOR A WALK TEST.

AFTER THESE TWO PERIODS, NORMAL OPERATION WILL ALLOW THE WIRELESS PASSIVE TO TRIGGER 3 TIMES EVERY 3 MINUTES, PROVIDED THERE IS NO MOVEMENT FOR THIS PERIOD OF TIME. (SEE BLOCK 15) THIS SETTING MAY BE CHANGED

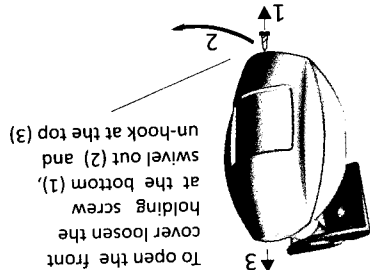
NOTE:
TO BYPASS THESE PERIODS, HOLD INC BUTTON DOWN WHEN APPLYING POWER, THE RED LED WILL FLASH TWICE

FRONT

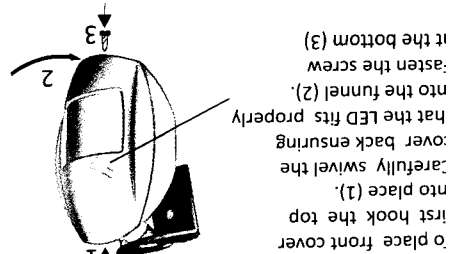


TAMPER DISABLE
A jumper may be inserted to disable the tamper detection. If the jumper is no present, the detector will send a tamper once the casing is opened

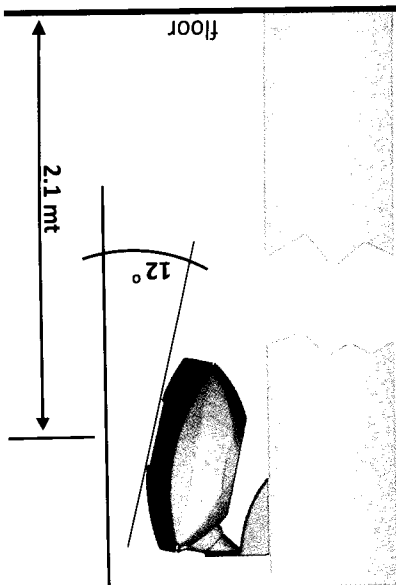
REMOVING THE FRONT COVER.



PLACING THE FRONT COVER.

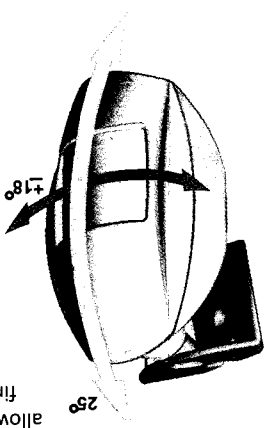


OPTIMAL MOUNTING HEIGHT & ANGLE



MOUNTING THE DETECTOR

For practicality a swivel bracket is supplied with each detector for corner, wall or ceiling mounting. The bracket with its "pan & tilt" feature allows for a later final orientation. The bracket can pan 18 from the centre and tilt 25 from the horizontal.



JUMPER SETTINGS

SENSITIVITY: IN = LOW SENSITIVITY
OUT = HIGH SENSITIVITY

PET SELECT: IN = NORMAL OPERATION
OUT = PET IMMUNE

PULSE COUNT SETTINGS:

1 pulse = 1 PULSE COUNT

2 pulse = 2 PULSE COUNTS

3 pulse = 3 PULSE COUNTS

EXTERNAL INPUT

The External input can be programmed to send a different zone/channel. To transmit close the circuit between the two pins indicated

KEYSWITCH

To disable detection on the passive close the circuit between the two pins indicated

TECHNICAL SPECIFICATIONS

Supply voltage:
6V - 2 Lithium Ion Batteries
9V - 9V Alkaline Battery

Current consumption standby (9V): 10 uA
Current consumption standby (6V): 8 uA
Warm-up delay: 4 min
Detection: 0.15-3.2 m/sec
Detection range: 10 METERS
Angle: 100 DEGREES
Detection current without LED: 5.5 mA
Detection current with LED: 6.0 mA
Frequency: 403.55MHz(AM)

The passive has the ability to report BATTERY LOW as well as TAMPER to the Tracer panel

Supervisory check-in signal transmitted every 12hours (By default this is disabled, see block 15 to enable this)