

EMFIT[®] SafeFloor[™]

Bed and Door Exit Monitor

User's Manual with Operation and Installation Instructions and Warranty Terms

WARNING! MUST NOT BE USED IN SITUATIONS WHERE A MALFUNCTION OR A LATENT DESIGN FLAW IN THE PRODUCT COULD LEAD TO A DELAY IN DELIVERY OF APPROPRIATE MEDICAL CARE OR THAT WOULD LIKELY LEAD TO A POTENTIALLY LIFE THREATENING SITUATION

Applicable model numbers:
Control Unit D-1050-2G, version t48 v1.0.2
Floor Sensor L-6090SL or L-60150



13-08-08. V1.2. t48 v1.0.2

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DANGER NOTES

THE FOLLOWING NOTES ARE PROVIDED ON THE ONE HAND FOR YOUR PERSONAL SAFETY AND ON THE OTHER HAND TO PROTECT THE DESCRIBED PRODUCT OR ATTACHED DEVICES FROM DAMAGE.

SAFETY NOTES AND WARNINGS FOR THE PREVENTION OF DANGER TO THE LIVES AND HEALTH OF USERS OR MAINTENANCE PERSONNEL AND/OR FOR THE AVOIDANCE OF DAMAGE TO PROPERTY ARE EMPHASISED IN THESE INSTRUCTIONS BY THE PICTOGRAMS DEFINED HERE. THE PICTOGRAMS USED HAVE THE FOLLOWING MEANINGS FOR THESE INSTRUCTIONS:



Means that death, serious personal injury or substantial damage to property can occur if the appropriate precautionary measures are not taken.

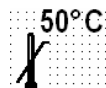


Means important information about the product or a part of the instructions that particular attention should be paid to.

OTHER SYMBOLS USED



Use by



Upper storage temperature limit

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1. GENERAL INFORMATION

Intended Use

The Emfit SafeFloor™ Bed and Door Exit Monitor (device model D-1050-2G and sensor model L-6090SL or L-60150) is intended to be used for monitoring a bed or door exit and giving notification when person is stepping on the sensor. The product consists of a floor sensor and a control unit. The control unit has an audible notification sound and a dry-contact output for connecting it to the other parts of the system.

Control Unit

The control unit D-1050-2G gives notification after it has noticed step on a sensor. For door exit use a 6 second delay can be set for caregivers to press by-pass switch and pass the door without activating a notification.

The control unit processes a low voltage (from about 1 mV up to about 1 V), high impedance signal from the dynamic, quasi-piezoelectric type (i.e. self-biased) flexible film-like sensor.

The control unit operates with 2 pcs AA size 1.5 V alkaline batteries. An optional AC adapter is available (5 VDC). AC ADAPTERS OTHER THAN ORIGINAL ACCESSORIES FROM EMFIT MUST NOT BE USED.

The control unit has input connectors for the AC adapter and sensor. There is also a connector for connecting the device to other systems for transferring the notification via dry-contact optocoupler. A reset switch for turning off the notification sound is to the right of the sensor input (marked as SW1).



Inside the device there is a place for 2 pcs AA size 1.5 V alkaline batteries, and mini-switches (DIP and rotary) for program settings.

Floor Sensor

The Emfit floor sensor is a quasi-piezoelectric, dynamic sensor that has no embedded wires or switches. This specially formulated plastic sheet sensor model L-6090SL is placed on top of the flooring. Sensor model L-60150 is intended to be installed below flooring. The sensor produces signals from even the slightest movement on the sensor.




2. PACKAGE CONTENTS

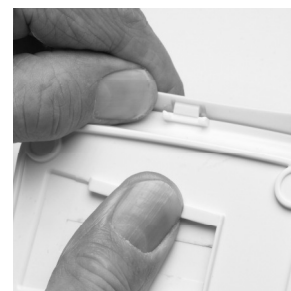
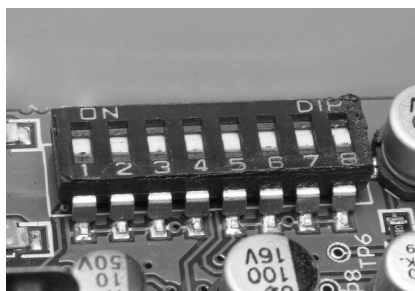
- Control unit
- Floor sensor
- Wall mounting clip
- 2 screws
- 2 locking anchors
- This user's manual
- Optionally power supply

3. BEFORE USE SELECT THE RIGHT DIP SWITCH SSETTINGS

Inside the device there is a so called DIP switch with 8 small switches. These are used for various program settings.

 See the following table and set up the switches for your preferred way.

To open the device cover, see the picture on right.



Open the cover by lifting from one side

Table of DIP Switch Settings

Switch #	OFF (down)	ON (up)
#1	Normal bed-side operation (no notification delay)	Door use (6 seconds delay to allow caregivers time to go and press SW1 switch for by-passing notification)
#2	Manual reset	Automatic reset. NOTE! Notification sound stops automatically after 30 seconds. Ready to make new notification after 1 minute.
#3	Not in use, leave OFF	Not in use, leave OFF
#4	Not in use, leave OFF	Not in use, leave OFF
#5	Dry-contact output is pulse mode (about 1 sec pulse)	Dry-contact output is constant type. Use only when necessary by other system to be connected with. Do not use with batteries but with optional power supply.
#6	Power switch function at SW1 is enabled (device can be shut down and turned on by pressing SW1 for about 3 seconds)	Power switch function at SW1 disabled (device is always on).
#7	Notification sound volume setting, see next chapter	Notification sound volume setting, see next chapter
#8	Notification sound volume setting, see next chapter	Notification sound volume setting, see next chapter

Setting the Notification Sound Volume

The notification sound is useful only when caregiver is in close proximity to the control unit. The volume can be adjusted at 4 levels: no sound, quiet, loud, and very loud.

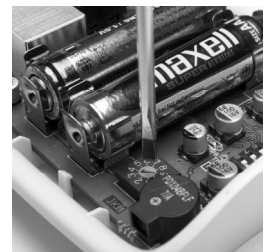
Volume level	Switch # 7	Switch #8
Very Loud	OFF (down)	OFF (down)
Loud	ON (up)	OFF (down)
Quiet	OFF (down)	ON (up)
No sound / mute	ON (up)	ON (up)

In the automatic reset mode (DIP switch #2 at ON) the notification sound stops automatically after 30 seconds. The sound stops also by pressing the SW1

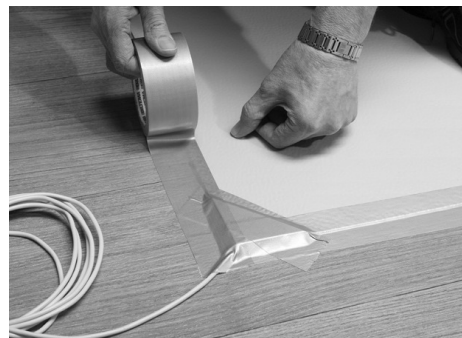
i ALWAYS REMOVE BATTERIES AND UNPLUG THE AC ADAPTER (IF IN USE) BEFORE MAKING CHANGES TO THE DIP SWITCH POSITIONS. OTHERWISE THE NEW SETTINGS WILL NOT TAKE EFFECT.

4. SETTING THE SENSITIVITY

Sensitivity can be adjusted with 10 position rotary switch inside. Factory default setting is the pointer pointing to #3. In case device does not notice light step on sensor, adjust sensitivity higher by turning the pointer clock-wise one position per time. If the device notices unnecessary light movements on sensor and causes false notifications, lower sensitivity by turning the screw counter-clockwise one position per time. Always test after every change before taking into use.



5. INSTALLING THE FLOOR SENSOR






1. Put the included anti-slip mat first beside the bed, so that the other long edge goes slightly below the bed.

2. Put the sensor on top of the anti-slip mat. Take the wire to the monitor X2 input.

i 3. If you are installing the sensor to an out going door, the top mat should be taped to the floor so that sand and small stones do not get under the mat. Those will soon punch the sensor electrodes and then it does not work anymore. The tape should also prevent any water, like melting snow in winter conditions, to get below mat and causing sensor to de-laminate

6. CONNECTORS AND WIRING

Connectors are marked with X1, X2 and X3. These are:

-  X1 - Power supply connector. Use only GlobTek Inc. power supply, model no: GTM41060-1505 and P/N:WR9QA3000LCP-N-MNK, available as original accessory from Emfit.
-  X2 - Aux connector for connecting the device to some other system (cable not included) for transferring the notification via a dry-contact optocoupler. DRY-CONTACT OUTPUT OF THE X2 (AUX) CONNECTOR CAN ONLY BE CONNECTED TO A SYSTEM SAFETY VOLTAGE INPUT WITH MAX VOLTAGE BELOW 25V (AC) / 60V (DC), WHERE BOTH POLES HAVE BEEN SEPARATED FROM THE ELECTRICAL NETWORK (SO CALLED FLOATING APPLIED PART). MAX LOAD CURRENT 100 mA!
-  X3 - Sensor connector (use only Emfit floor sensor model L-6090SL or L-60150)



Connect the sensor, optional AC adapter and possible connection wire to other system as follows:



Connect the sensor wire plug to the X3 marked connector.



If you need to connect the dry-contact output to another system, plug the suitable connection wire to the X2 marked connector

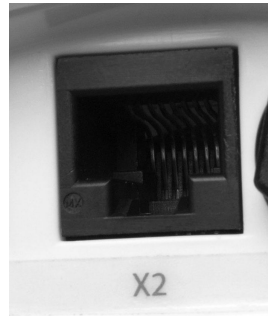


Connect the optional AC adapter cord to the X1 marked connector

X2 (AUX) Connector Pin Order

From left to right

Pin #1	Common return
Pin #2	Normally open (NO) send
Pin #3	Normally Closed (NC) send
Pin #4	Low battery warning send (NO)
Pin #5	Not in use, do not connect
Pin #6	Not in use, do not connect
Pin #7	Not in use, do not connect
Pin #8	Not in use, do not connect



DRY-CONTACT OUTPUT OF THE X2 (AUX) CONNECTOR CAN ONLY BE CONNECTED TO A SYSTEM SAFETY VOLTAGE INPUT WITH MAX VOLTAGE BELOW 25V (AC) / 60V (DC), WHERE BOTH POLES HAVE BEEN SEPARATED FROM THE ELECTRICAL NETWORK (SO CALLED FLOATING APPLIED PART)! MAX LOAD CURRENT IS 100 mA.

7. INSTALLING THE WALL MOUNT AND DEVICE INTO IT



Attach the wall mount with the included two anchors and screws



Slide the device into the mount



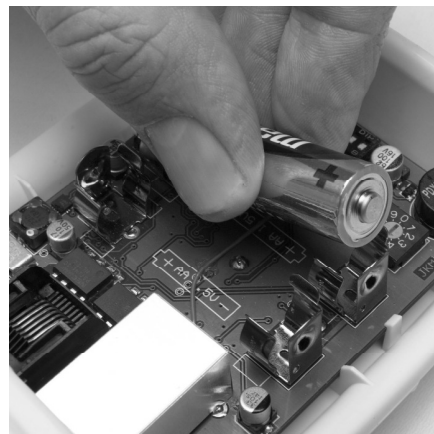
Press the device downwards so you hear a "click" sound

8. INSTALLING BATTERIES AND BATTERY CONSUMPTION

Product operates with 2 pcs AA size 1.5 V alkaline batteries. Install and remove the batteries as follows:



Open the cover by lifting from one side




Install 2 pcs good quality AA size 1,5 V alkaline batteries according the polarity drawings on the circuit board



When removing old batteries, they are easiest to remove by lifting from + ends

Estimated battery life is 6 months, when using high quality alkaline batteries, with 2800 mAh capacity (2pcs). Estimation is based on measured battery consumption in various conditions and then a calculation where device is on 50% of time and shut down 50% of time.

 WHEN THE BATTERIES ARE GETTING LOW, THE RED LED BEGINS TO FLASH SLOWLY, A "BEEP" SOUND WILL BE HEARD AFTER EVERY 1,5 HOURS AND THE DRY-CONTACT OUTPUT GIVES LOW BATTERY NOTIFICATION AFTER EVERY 3 HOURS.

9. ABOUT THE OPTIONAL 5V AC ADAPTER

For preparing the optional power supply in use, do the following:




Remove the plastic cover




Pick up suitable adapter from the included 4 pcs



Install the adapter and make sure it stays in its place

 THE EMFIT SAFEFLOOR BED AND DOOR EXIT MONITOR IS DESIGNED AND TESTED TO BE USED ONLY WITH GLOBTEK INC. POWER SUPPLY MODEL: NO GTM41060-1505 AND P/N:WR9QA3000LCP-N-MNK. ANY OTHER TYPE OF AC ADAPTER MAY AFFECT THE PRODUCT'S SAFETY.

The power supply is equipped with a blue indicator light; when the light is on the power supply is in use. If the light is off and the power supply is connected to the mains outlet, the power supply is probably damaged and should be replaced.

 WHEN THE AC ADAPTER IS CONNECTED TO THE POWER INPUT (X1), THE BATTERIES WILL OPERATE AS BACK UP POWER SUPPLY IN CASE OF NO MAINS POWER. NOTE THAT ALL BATTERIES DRAIN EMPTY UPON TIME. THEREFORE REPLACE BACK UP BATTERIES LATEST EVERY SECOND YEAR. LOW BATTERY WARNING DOES NOT OPERATE WHEN AC ADAPTER IS CONNECTED. TO TEST BATTERIES, SWITCH THE DEVICE ON AND REMOVE THE AC-ADAPTER CORD FROM X1. IF THE RED LED LIGHTS UP, REPLACE THE BATTERIES.

10. LED-Light indicators


1. Green LED / Presence

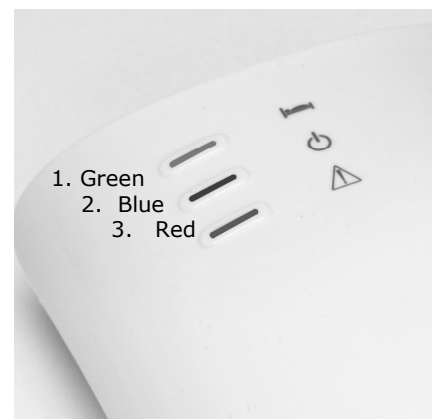
- The green light starts blinking when the device notices movements on the sensor.

2. Blue LED / Power ON - Standby

- The blue light blinks slowly when the device is ON
- The blue light blinks fast for a short moment when the device triggers a notification

3. Red LED / Fault

-  The red light blinking quickly means the sensor is not connected or sensor is broken. A notification sound is heard first time 10 seconds after device notices sensor fault, and then after every 45 seconds. Dry-contact output gives notification first time after 30 seconds and then after every 30 minutes, until proper sensor is plugged.
- The red light blinking slowly means replace the batteries. A notification sound is after every 1 ½ hours and dry-contact output gives low battery notification after every 3 hours until batteries are replaced.




11. SW1 - RESET SWITCH / ON-OFF SWITCH

As Reset Switch

When the notification sound is ongoing it can always be silenced by pressing the shortly the SW1 switch (see picture).



 In manual reset mode (DIP switch #2 at OFF), device must be reset by pressing shortly the SW1 switch. Only after pressing the SW1 device is ready to make new notification

When the automatic reset function (DIP #2 is enabled ie. ON), the notification sound stops automatically after 30 seconds. Device is ready to make new notification after 1 minute (both by dry-contact output and sound). Therefore in automatic reset mode it is not necessary to press the SW1 for resetting the device.

As On-Off Switch

When the ON-OFF switch function is enabled (DIP-switch #6 at OFF), the SW1 switch functions also as ON-OFF switch. To turn the device ON or OFF, just press the switch SW1 for about 3 seconds.

12. TESTING AND INSPECTIONS

Daily Inspection

Test that the system gives the notification when you put your feet gently on the sensor, as if person is leaving the bed and putting the feet slowly down on the floor .

13. TROUBLESHOOTING

ALWAYS CHECK FIRST THAT INSTALLATION IS CORRECT AND TEST THE DEVICE PROPERLY AFTER EVERY ADJUSTMENT.

Notification is not working or not getting forward via other system the device is connected to:

- Check that the connection cable is connected correct way and it is in good condition. Often the wire both ends use same connector but wiring order is not the same. Make sure it is connected the right way!
- Check that the device is switched ON. It is ON if the blue light is blinking slowly. If it is not blinking, press the SW1 switch for 3 seconds. If device does not turn on, change the batteries or if you use AC adapter, check it is connected and it's blue light is on.
- If red light is blinking same speed as blue light, and sensor is connected, sensor is broken. Typically this due a small particle having punched the electrode layers and caused a short.

Notification sound does not operate:

- Check the volume level.

False notifications without reason:

- Sensitivity maybe set too high. Some other things like sudden big airpressure change may cause notifications. See 4. for adjusting sensitivity.

Please never hesitate to contact manufacturer for any problems with use! All feedback is highly appreciated!

14. CLEANING

The floor sensor can be cleaned with water and, when necessary, neutral general-purpose or mild antiseptic detergents. Always dry the sensor after cleaning. Use a moist cloth for cleaning the control unit. Clean also the bottom of the sensor and the floor where it is being installed to avoid small particles punch the sensor and cause a short.



THE CONTROL UNIT MUST NOT GET WET! DO NOT CLEAN THE AC ADAPTER OR THE CONTROL UNIT WHEN IT IS CONNECTED TO THE MAINS OUTLET. ALWAYS DRY IT WELL AFTER CLEANING.

15. IMPORTANT SAFETY PRECAUTIONS

TO AVOID POSSIBLE INJURY OR DEATH:

- READ INSTRUCTIONS PRIOR TO USE
- ALWAYS TEST THE SYSTEM PER INSTRUCTIONS PRIOR TO USE
- THIS PRODUCT MAY NOT BE SUITABLE FOR ALL PERSONS

- THIS PRODUCT SHOULD NOT BE A SUBSTITUTE FOR MAINTAINING THE ROUTINE VISUAL MONITORING PROTOCOL BY CAREGIVER.
- MUST NOT BE USED IN SITUATIONS WHERE A DELAY IN THE ARRIVAL OF APPROPRIATE CARE COULD LEAD TO A POTENTIALLY LIFE-THREATENING SITUATION.
- NEVER USE EMFIT SENSOR WITH OTHER MANUFACTURERS' DEVICES.
- THE NOTIFICATION MAY FAIL TO SOUND IF THE SENSOR OR ITS WIRE IS DAMAGED OR IMPROPERLY POSITIONED.
- PETS CAN CAUSE FALSE NOTIFICATIONS
- SENSOR MUST NOT BE SCRATCHED, SLIT OR CUT.
- CHECK SENSOR AND WIRES CONDITION AND IN USE TIME AT LEAST WEEKLY AND REPLACE WHEN NECESSARY.
- DO NOT INTEGRATE TO OTHER SYSTEM OTHERWISE THAN SPECIFIED IN THIS MANUAL.
- DO NOT OPEN THE PARTS OR ATTEMPT TO REPAIR IT YOURSELF.
- ALWAYS KEEP THE CONTROL UNIT AND SENSOR DRY. EXPOSURE TO EXCESSIVE MOISTURE CAN CAUSE IT TO MALFUNCTION.
- THE PRODUCT FULLFILLS THE REQUIREMENTS OF THE EMC-DIRECTIVE FOR MEDICAL DEVICES- IT DOES NOT CAUSE ANY ELECTROMAGNETIC DISTURBANCE IN NORMAL WORKING CONDITIONS.
- THE PRODUCT CAN BE STACKED OR PLACED NEAR OTHER PRODUCTS OR DEVICES AS LONG AS MECHANICAL VIBRATION IS NOT PRESENT.
- ALWAYS CHECK THE FUNCTION OF THE PRODUCT AFTER MAKING ADJUSTMENTS.

ACCIDENTIAL OR INTENTIONAL ADJUSTMENT OF KNOBS AND SWITCHES BY THE USER OR SUBJECT MAY CAUSE:

- THE NOTIFICATION SOUND TO NOT ACTIVATE WHEN ADJUSTING THE VOLUME CONTROL SETTINGS TO THE OFF POSITION.
- FALSE NOTIFICATIONS (INCREASE) OR MALFUCTION (DECREASE) WHEN ADJUSTING THE SENSITIVITY.
- THE PRODUCT MAY NOT GIVE NOTIFICATION WHEN NECESSARY IF TURNED OFF BY PRESSING THE SW1 SWITCH.
- THE PRODUCT MAY NOT GIVE NOTIFICATION WHEN NECESSARY WHEN SWITCHING DIP SWITCHES.

16. MATERIALS DISPOSAL

At the end of the product's use life, please dispose of it at appropriate collection points provided in your country. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (EIA, www.eiae.org).



17. DECLARATION OF CONFORMITY (EU)

Emfit SafeFloor (device model D-1050-2G and floor sensor model L-6090SL or L-60150) complies with the essential requirements of EMC directive 2004/108/EC and CE mark directive 93/68/EEC and carries the CE marking accordingly.



18. U.S. / FCC STATEMENT

The United States Federal Communications Commission has specified that the following notice to be brought to attention of users of this product:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR THE COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

19. CANADA / EMC COMPATIBILITY STATEMENT

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

20. EMFIT LIMITED WARRANTY STATEMENT

In the unlikely event that your product needs guarantee service, please contact your dealer, distributor or manufacturer. To

avoid any unnecessary inconvenience on your part, we recommend you read this instruction manual carefully before seeking guarantee service.

YOUR GUARANTEE

By this Guarantee, Emfit guarantees the product to be free from defects in materials and workmanship at the date of original purchase for a period of two (2) years from that date.

If within the guarantee period the product is determined to be defective (at the date of original purchase) due to improper materials or workmanship, Emfit will, without charge for labour or parts, repair or (at Emfit's discretion) replace the product or its defective parts subject to the terms and limitations below. Emfit may replace defective products or parts with new or refurbished products or parts. All products and parts replaced become the property of Emfit.

TERMS

Guarantee services will be provided only if the original invoice or sales receipt (indicating the date of purchase, model name and dealer's name) is presented with the defective product within the guarantee period. Emfit may refuse free-of-charge guarantee service if these documents are not presented or if they are incomplete or illegible. This Guarantee will not apply if the model name or serial number on the product has been altered, deleted, removed or made illegible.

This Guarantee does not cover transport costs and risks associated with transport of your product to and from Emfit.

This Guarantee does not cover:

- a) periodic maintenance and repair or parts replacement due to wear and tear. Notice! Emfit bed-sensor wears and tears significantly faster when installed on soft base like spring mattress.
- b) consumables (components that are expected to require periodic replacement during the lifetime of a product such as non-rechargeable batteries)
- c) damage or defects caused by use, operation or treatment of the product inconsistent with normal use
- d) damage or changes to the product as a result of:
 - i. misuse, including:
 - treatment resulting in physical, cosmetic or surface damage or changes to the product
 - failure to install or use the product for its normal purpose or in accordance with Emfit's instructions on installation or use
 - failure to maintain the product in accordance with Emfit's instructions on proper maintenance
 - installation or use of the product in a manner inconsistent with the technical or safety laws or standards in the country where it is installed or used
 - ii. the condition of or defects in systems with which the product is used or incorporated except other Emfit's products designed to be used with the product
 - iii. use of the product with accessories, peripheral equipment and other products of a type, condition and standard other than prescribed by Emfit
 - iv. repair or attempted repair by persons who are not Emfit employees
 - v. adjustments or adaptations without Emfit's prior written consent, including:
 - upgrading the product beyond specifications or features described in the instruction manual, or
 - modifications to the product to conform it to national or local technical or safety standards in countries other than those for which the product was specifically designed and manufactured
 - vi. neglect
 - vii. accidents, fire, liquids, chemicals, other substances, flooding, vibrations, excessive heat, improper ventilation, power surges, excess or incorrect supply or input voltage, radiation, electrostatic discharges including lighting, other external forces and impacts.

This guarantee covers only hardware components of the product.

EXCLUSIONS AND LIMITATIONS

EXCEPT AS STATED ABOVE, EMFIT MAKES NO WARRANTIES (EXPRESS, IMPLIED, STATUTORY OR OTHERWISE) REGARDING PRODUCT OR ACCOMPANYING OR CONSTITUENT SOFTWARE QUALITY, PERFORMANCE, ACCURACY, RELIABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OTHERWISE. If this exclusion is not permitted or fully permitted by applicable law, Emfit excludes or limits its warranties only to the maximum extent permitted by applicable law. Any warranty that cannot be fully excluded will be limited (as far as permitted by applicable law) to the duration of this Guarantee.

EMFIT'S ONLY OBLIGATION UNDER THIS GUARANTEE IS TO REPAIR OR REPLACE PRODUCTS SUBJECT TO THESE GUARANTEE TERMS AND CONDITIONS. EMFIT IS NOT LIABLE FOR ANY LOSS OR DAMAGE RELATING TO PRODUCTS, SERVICE, THIS GUARANTEE OR OTHERWISE, INCLUDING - ECONOMIC OR INTANGIBLE LOSSES - THE PRICE PAID FOR THE PRODUCT - LOSS OF PROFITS, REVENUE, DATA, ENJOYMENT OR USE OF THE PRODUCT OR ANY ASSOCIATED PRODUCTS - INDIRECT, INCIDENTAL OR CONSEQUENTIAL LOSS OR DAMAGE. THIS APPLIES WHETHER THAT LOSS OR DAMAGE RELATES TO: IMPAIRED OR NON-OPERATION OF THE PRODUCT OR ASSOCIATED PRODUCTS THROUGH DEFECTS OR UNAVAILABILITY WHILE WITH EMFIT, WHICH CAUSED DOWNTIME, LOSS OF USER TIME OR BUSINESS INTERRUPTION INACCURACY OF OUTPUT FROM THE PRODUCT OR ASSOCIATED PRODUCTS.

THIS APPLIES TO LOSS AND DAMAGES UNDER ANY LEGAL THEORY, INCLUDING NEGLIGENCE AND OTHER TORTS, BREACH OF CONTRACT, EXPRESS OR IMPLIED WARRANTY, AND STRICT LIABILITY (EVEN WHERE EMFIT HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES).

Where applicable law prohibits or limits these liability exclusions, Emfit excludes or limits its liability only to the maximum extent permitted by applicable law. For example, some countries prohibit the exclusion or limitation of damages resulting from negligence, gross negligence, wilful misconduct, deceit and similar acts. Emfit's liability under this guarantee will in no case exceed the price paid for the product, but if applicable law permits only higher liability limitations, the higher limitations apply.

YOUR LEGAL RIGHTS RESERVED

Consumers have legal (statutory) rights under applicable national laws relating to the sale of consumer products. This guarantee does not affect statutory rights you may have nor those rights that cannot be excluded or limited, nor rights against the person from whom you purchased the product. You may assert any rights you have at your sole discretion.

21. TECHNICAL SPECIFICATIONS

Control Unit

Model:	D-1050-2G
Operating voltage:	5 V DC
Input / output connectors:	Power, AUX and Sensor
Dry-contact outputs:	Max. 100 mA, <60 V DC, <25 V DC
Switches and controls:	On/Off/Reset switch, 8 DIP switches for program settings, 1 pcs 10 position rotary switch for sensitivity adjustment
Light indicators:	3 LEDs
Notification delays:	No delay or 6 sec
Mounting:	On the wall with included bracket or on the table
Dimensions mm	96 x 127 x 34 mm
Weight:	110 g
Color:	White
Enclosure protection:	IP20
Case:	Plastic

Floor Sensor

Model:	L-6090SL
Type:	Floor sensor
Placing:	On the floor
Portability:	Yes
Dimension mm (L x W):	610 x 930 mm
Thickness:	2,5 mm
Weight:	1 kg
Color:	Grey
Surface material:	PVC
Cable length:	3m

Environment conditions

Operating temperature:	10°C TO 40°C
Storage and transportation temperature:	-30°C TO 50°C
Humidity:	20%... 75% Relative humidity

22. MANUFACTURER ´S AND ITS U.S. SUBSIDIARY ´S CONTACT INFORMATION

Manufacturer:	US Subsidiary:
Emfit Ltd	Emfit Corp.
Konttisentie 8	10909 Van Owen St., Suite 300
FI-40800 VAAJAKOSKI	North Hollywood,
FINLAND	CA 91605, USA
Phone: +358-14-332-9000	Phone: (818) 508-6685
Fax: +358-14-332-9001	Fax: (818) 508-9413
Email: info@emfit.com	Email: sales.us@emfit.com
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