



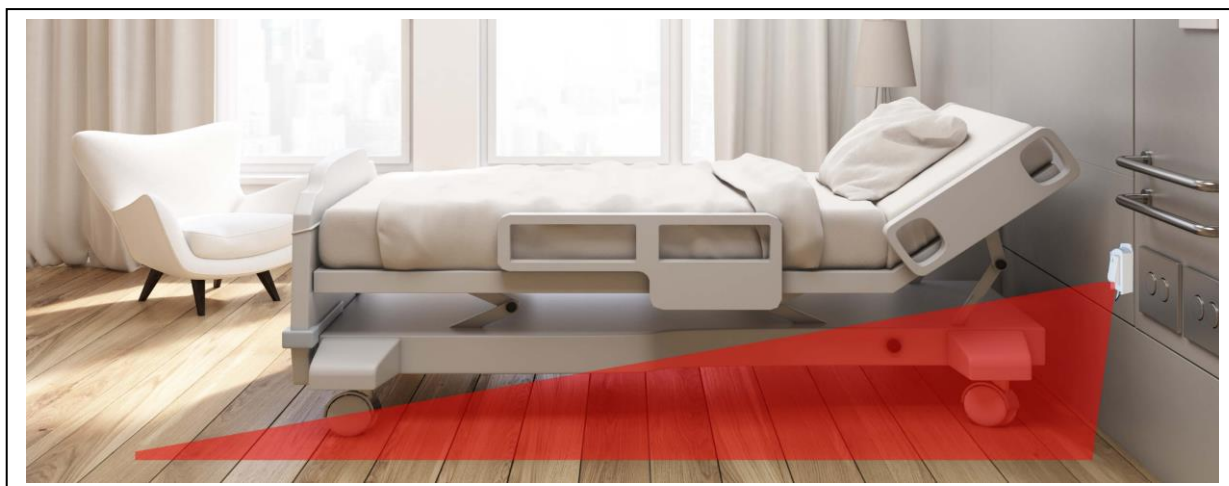
INSTRUCTION MANUAL

Bed Exit Sensor Beams

(Single & Dual Models Version 2)

Version 2.1 issued October 2024

See the video Tutorial at <https://safelife.com.au/product/dual-bed-exit-pir/>



INTRODUCTION:

Once set up correctly the SafeLife Bed Exit PIR system will detect a bed exit status immediately after the patient/resident swings their leg over the side of the bed thereby breaking the invisible PIR beam.

This beam is designed to taper down to the base of the bed allowing the attending carer to move freely around the bed without generating an alarm. If the PIR beam protrudes beyond the end of the bed it is possible to lower the PIR Sensor a centimeter or two on the wall. Extra slide-in brackets will allow a system to move from one room to another leaving the bracket on the wall for future use.

Where a resident can exit the bed from either side, a second identical PIR can be fitted to the wall on the other side of the bed. The PIR Sensors are then interconnected via a flexible RJ11 plug-in interconnecting cable. This dual-PIR sensor option is the DK (Dual Kit) model.

INSTALLATION

This new Version-2 Bed-Exit model has been redeveloped to allow easy plug-and-play interconnection, whereby all leads are fitted with standard RJ11 plugs. This includes the plug pack, the control unit, and (where necessary) a connection to the second Sensor when deployed as part of a dual system.

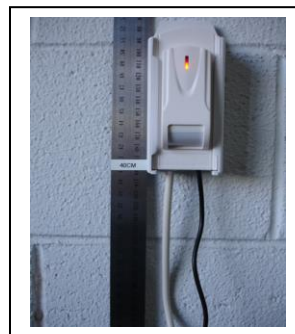


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SET-UP PROCEDURE:

1. Mount the wall mount bracket on the wall at the head of the bed 10cm out from the bed and 35cm off the floor. Note: This height will cause the sensor to scan alongside the bed for up to 2.5M from the wall.

TIP: It's a good idea to use Blue-Tack and test before fixing the bracket to the wall. If the PIR beam protrudes past the bottom of the bed (and this is a problem) you can lower the mounting bracket a centimeter or two. If installing a dual system follow the same procedure for each side of the bed.



2. For the first (or only) PIR Sensor, connect the power pack to the 240V power point and the 6.3mm connector to the nurse call point. You can use a double adaptor connection at the nurse call point, so a pendant cord can also be used. Double adaptors are available from the SafeLife website.

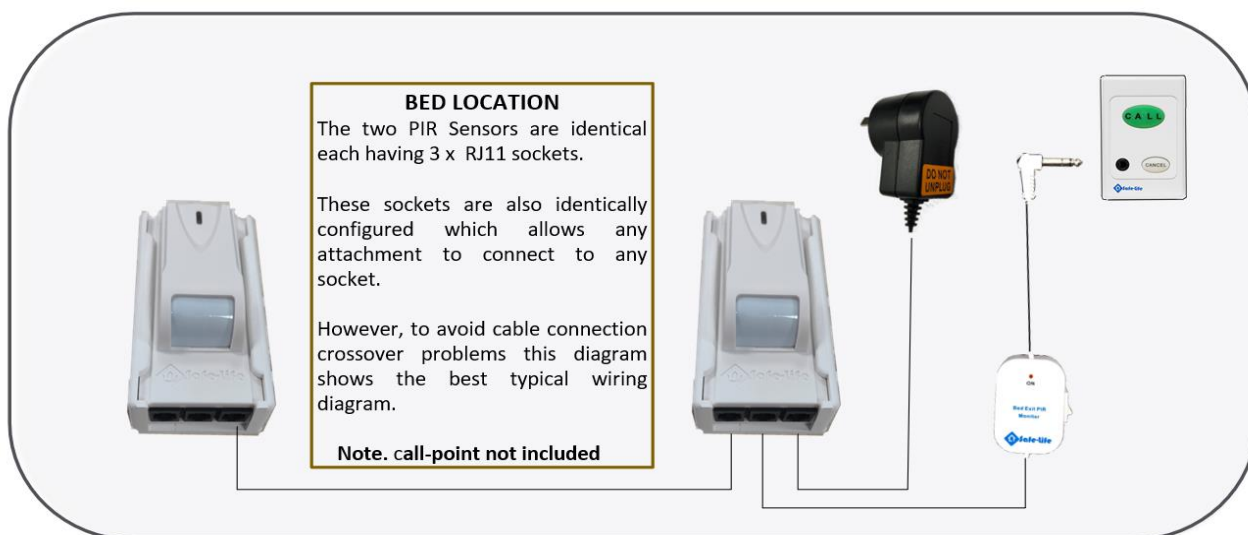


1 2 3

For a dual PIR Sensor installation we shall call the PIR Sensor nearest the call point the Master Sensor. In a Dual Kit system, the Sensor furthest away from the call point functions as an identical and fully featured Slave Sensor.

3. All necessary cable connections, including the Curly-Cord flexible cable intended to connect the two PIR Sensors, are supplied. Two cable ties are also provided to shorten cable lengths if necessary to keep things tidy.

Now turn the power on at the power point and as each sensor self calibrates, the red LED on each PIR will flash for one minute. When the LED stops flashing each PIR is ready to use. For best results do not stand in view of the Sensors whilst calibrating. The system will now remain powered-up and may be turned ON and OFF at the in-line Controller switch.



OPERATING INSTRUCTIONS

1. The system scanning functions are turned ON and OFF via the side switch located on the PIR sensor System Controller. To avoid false calls the ON position has a 10 second delay during which time it's LED will flash.
2. This will allow the carer to stand in front of the Sensor's infra-red beam when turning it on. Following the 10 second standby mode the LED will then glow steady as the system is now fully armed and ready for full and normal operation.



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1. CONFIGURING THE 6.3mm PLUG TO SUIT YOUR BRAND NURSE CALL SYSTEM:

Unless otherwise requested the system is supplied as a mono configuration. (stereo wired as mono) and this will usually work on most nurse call systems.

If your system requires **Tip & Ring or Tip & Sleeve** this can easily be achieved by removing the 4 screws on the in-line monitor control switch assembly and removing the back panel.

It is then only necessary to remove a lug. For **Tip and Ring** remove the lug on "S" for [sleeve] or for **Tip and Sleeve** remove the lug on "R" for [Ring].

For **Ring and Sleeve** configuration: On the 3 pin header set, move the lug from "T" & middle pin to "R" and the middle pin - and remove the lug from the 2 pin header set marked "R".



As a general rule the mono (as supplied) will work on many systems and there will be no re-configuration required.

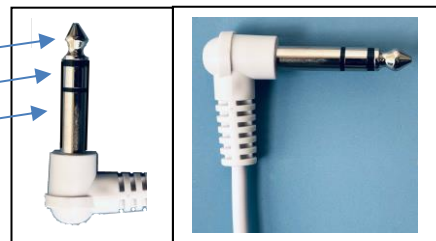
If the your nurse call system bell press cord also includes a light switch, a Tip and Ring or Tip and Sleeve configuration will be required.

Over time some different brands have also used different configurations so a bit of trial and error may be required.

General Configurations with different brands

Smart Caller	Tip and Ring
Questek	Tip and Ring
Care Tech	Tip and Ring
Xacom	Tip and Ring
Advance Care	Tip and Sleeve
Austco	Tip and Sleeve

**TIP
RING
SLEEVE**



If your nurse call system bedside call point does not use 6.3mm size plugs contact us and we will provide an alternative plug.

Re-order codes

Dual Sensor kit	-	with 6.35 mm plug:	A-BEDEXIT-PIR-05-V2
		with 3.5 mm plug:	A-BEDEXIT-PIR-05-V2-3.5
Single Sensor Kit	-	with 6.35 mm plug:	A-BEDEXIT-PIR-01-V2
		with 3.5 mm plug:	A-BEDEXIT-PIR-01-V2-3.5
Single Sensor & Curly Cord – Expansion Kit:			A-BEDEXIT-EXP-KIT-V2

Disclaimer

The supplier has no control or means of surveillance about the installation, set-up, or continuous reliable operation of the product. While the products available from Safe Life can assist in the supervised care of a person, these devices shall not be considered as life saving devices. Safe Life accepts no liability for the loss of property or personal injury, loss of income or any other liability.

Specifications and descriptions subject to change without prior notice



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