

AS210 Alarm System Installation Guide

1 Kit Contents



Base unit with trailing PIR & Power leads
PIR unit with metal retaining clip
2 x Key fob remote controllers

2 Technical Support and installation advice

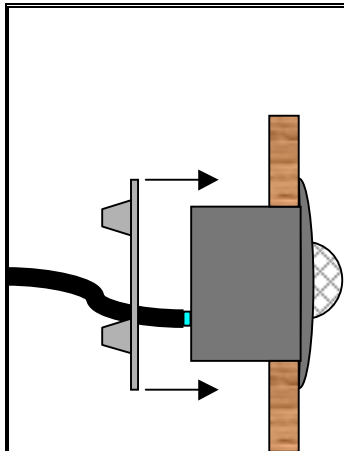
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3 Installation procedure



The PIR should be mounted 150mm to 350mm from the floor, in a central location looking down the 'alley' of the caravan. The base unit should be located near the PIR unit in a position where the tilt lever can be accessed for adjustment. Typical arrangements are the PIR mounted in the front floor mounted locker between the beds and the base unit mounted in the offside bed box.

Ensure the correct size mounting holes have been drilled for the PIR and the base unit siren (PIR hole 58mm, Siren hole 25-40mm).

Fit a vent tube or other water repelling grill / device to the siren hole to stop water ingress into the van / floor / siren (not supplied).

Position the base unit over the siren hole but do not 'screw down' at this stage. The base unit should be orientated so that the tilt adjustment lever works in a forward / aft direction (see sticker on top of unit).

Route the PIR cable to the PIR mounting hole.

Pass the PIR cable through the PIR retaining clip (note correct way around), then through the PIR mounting hole and connect the cable to the PIR.

Push the PIR into the mounting hole and fix in place using the retaining clip, ensuring that the PIR is the correct way up (sticker at top).

Connect the 12v supply to the connector on the caravan harness (2 pin connector). If the caravan does not have the correct connector these can be purchased separately (the red wire is 12v positive and the black wire is negative). For servicing reasons this connector should not be cut off.

Lift the base unit in the air, and operate the hidden switch to turn the unit on (red slider towards outside of the unit), the unit will emit two beeps.

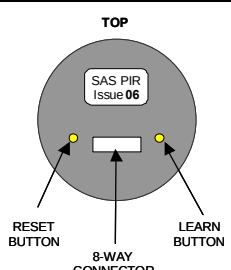
Fix the base unit to the floor using 4 screws (not supplied) ensuring the cables are routed underneath the unit and that the siren outlet is directly above the hole / vent in the floor (bad positioning of the siren will affect siren volume).

4 Commissioning procedure

Please refer to the AS210 operating instructions, noting in particular section 2	Allow 2 minutes from initial switch-on for the PIR to stabilise. Exit the caravan. Arm the alarm by pressing the key fob button and waiting for one long beep. Wait 45 seconds for the alarm to set. Walk into the caravan towards the PIR, checking that the siren operates. Press the key fob button to cancel the siren. Arm the alarm with the PIR disabled (Hold down and release key fob button after 2 long beeps). Wait 45 seconds for the alarm to set. Slide the tilt sensor lever fully forwards (or backwards) and ensure the siren operates. Note: when the alarm is disarmed the tilt lever is disabled after 1 minute of operation to conserve battery life (just in case the lever is left in the ON position). To reactivate the lever, Arm then Disarm the system. Press the key fob button to cancel the siren. If required, repeat section above with a Leisure battery fitted and the mains charger switched on.
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5 Software reset procedure (only required if a fault occurs)

Use the following procedure if the PIR or key fobs fail to operate

 Diagram showing the rear of the PIR sensor. Labels include: TOP, SAS PIR Issue 06, RESET BUTTON, 8-WAY CONNECTOR, and LEARN BUTTON.	1	Locate the rear of the PIR sensor (usually accessible via a drop down door in the furniture at the front of the caravan)
	2	Locate the RESET button hole (this is the LEFT hand button when viewing the rear of the PIR)
	3	Using a pen tip or bent paperclip, press and hold the RESET button for 2 seconds (or until the siren sounds, whichever is sooner)

6 Hardware reset procedure (only required if a fault occurs)

Use the following procedure if the PIR or key fobs fail to operate and the software procedure did not fix the problem. A system lock can sometimes be caused by sparks at the leisure battery connections when a new / replacement leisure battery is fitted.

 Photograph showing the alarm base unit (top) and the PIR sensor (bottom).	1	Locate the alarm base unit (usually situated under the front off-side bed)
	2	Disconnect the 12v power connector (two-pin 12v power connector with red & black wires)
	3	Remove the 4 base unit mounting screws, lift the base unit in the air and turn the battery switch to the OFF position (red slider away from the outside of the box).
	4	Wait 2 minutes for the PIR to completely shutdown (internal capacitors to discharge)
	5	Turn the battery switch ON (the siren will give two short beeps)
	6	Reconnect the 12v supply connector
	7	Perform a SOFTWARE RESET as described above

7 Key Fob Learn procedure (only required fault occurs / key fobs are replaced)

Use the following procedure if replacing or relearning the key fobs

	1	Locate the rear of the PIR sensor (usually accessible via a drop door at the front of the caravan) Make a note of the PIR issue number (02 to 06) on the rear of the PIR
	2	Locate the LEARN button hole (this is the RIGHT hand button when viewing the rear of the PIR)
	3	Using a pen tip or bent paperclip, press and hold the LEARN button until two Indicator lights flash alternately within the PIR sensor lens (Red & Green lights flashing similar to a train crossing signal)
	4	Release the learn button
	5	At arms length, press and hold the first key fob button until the alarm beeps once, release the button Swap to the second key fob and press and hold the button until the alarm beeps once, release the button and wait for two beeps to indicate that valid codes have been learnt
	6	Test the operation of the system