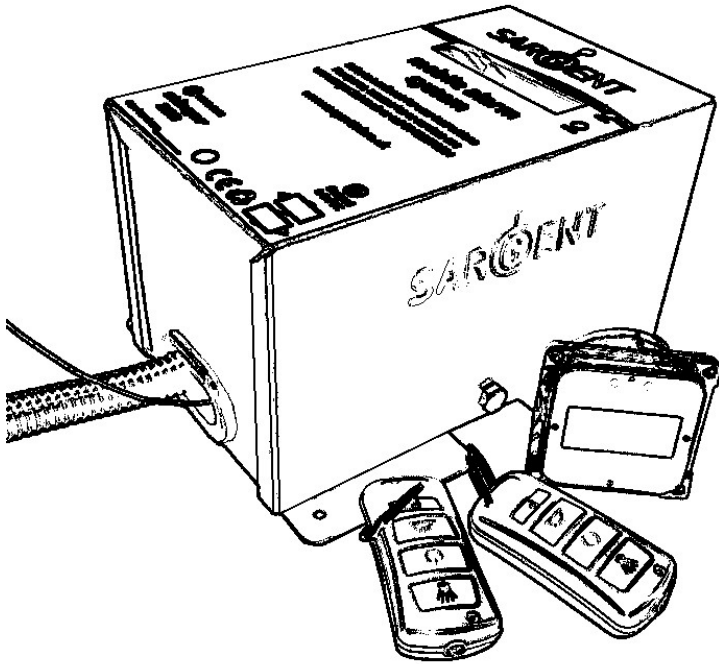


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Stinger Alarm System Installation Instructions

AS350

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Overview

The following procedure describes the typical installation method for most caravans. However, as the Stinger 350 is designed to suite many applications it is not limited to this method only.

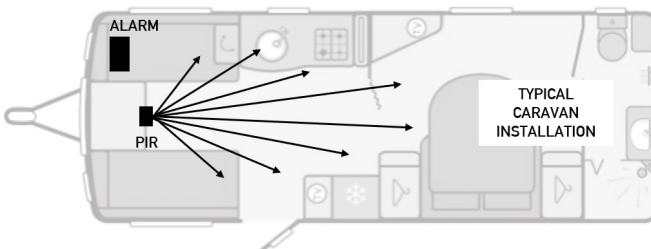
Kit Contents

- System base unit with pre-connected Power and PIR cables and integral lithium battery
- Passive Infra Red (PIR) movement detector with mounting frame and decorative trim
- 2 x Key Fob controllers
- User Instructions

Installation

Location

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 (within reach of the 1200mm PIR cable) in a position where the unit can be accessed for servicing, but is out of sight. 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.



Fitting

1. Cut a 50mm mounting hole for the PIR ensuring adequate space around the hole for the mounting plate and decorative trim.
2. Cut a 40 to 50mm hole in the caravan floor directly below the siren outlet in the bottom of the system base unit. Fit a vent tube or other

water repelling grill / device to the floor hole to stop water ingress into the caravan floor structure (not supplied).

3. Position the system base unit over the prepared hole ensuring the unit is orientated as per the diagram on the top of the unit, and secure into position with 4 screws (not supplied). Ensure the user can access and remove the cross fixing bolt for servicing etc.

4. Fit the PIR into the mounting plate with the letter 'A' at the top. For different installations the PIR can be rotated at 90 degree intervals to provide different coverage patterns.

A - gives forward and up coverage,

B - gives curtain to the right coverage,

C - gives forward and down coverage when the PIR is mounted high up

D - gives curtain to the left coverage.

3. Route the PIR cable to the PIR mounting hole and plug into the back of the PIR. Clip the cable to the caravan structure as required.

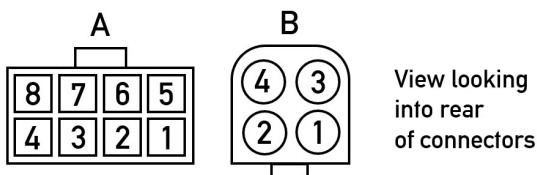
4. Mount the PIR using 2 screws (not supplied) and fit the decorate trim (clicks in place).

5. With the leisure battery disconnected and the caravan charger turned off, plug the system base unit 8-way cable into the existing supply in the caravan (where applicable) or use the relevant adaptor cable (see 'Alternative wiring')

Note:- Never cut the alarm plug off the cable, as this will prevent servicing and could damage the unit.

Circuit allocation

As standard, the alarm system has an 8-way plug for connecting directly to the existing vehicle wiring and a 4-way socket to connect other equipment such as a tracker.

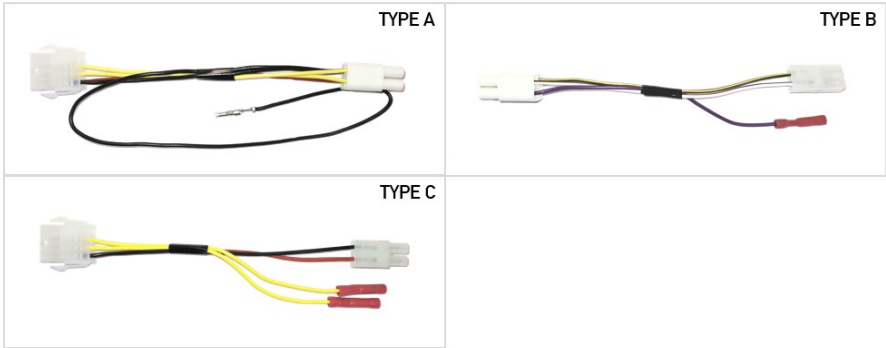


Pin	Colour	Description
A1	Brown/Yellow	Positive Supply (+12v)
A2	Brown/Yellow	Positive Supply (+12v)
A3	Black	Left Tail Light
A4	Brown	Right Tail Light
A5	White/Orange	Negative Supply (-ve)
A6	Yellow	Awning Light Switch
A7	Yellow	Awning Light Switch
A8	White	Earth for Tail Lights
B1	-	-
B2	Brown/Yellow	Accessory power / Tracker battery monitor
B3	Purple	Tracker -ve trigger
B4	White/Brown	Arm -ve signal

Alternative wiring

When upgrading alarms in older vehicles to the latest AS350 model, an adapter harness may be required to ensure it is compatible. The table below shows which adapter harness to use for each vehicle installation.

Installation	Alarm to be replaced	Adapter required
Coachman Lunar	AS310-C	Type A
Swift	AS310-S/STL/STLI	Type B
Others + Aftermarket	SAS200 AS200/210/300	Type C



Coachman (Type A)

1. Connect adapter harness 8-way socket to matching plug on alarm
2. Connect adapter harness 4-way plug to matching socket on vehicle harness
3. Connect black wire on adapter harness to spare terminal on alarm 4-way socket (see Fig1)
4. Connect 4-way plug on alarm to matching plug on vehicle harness

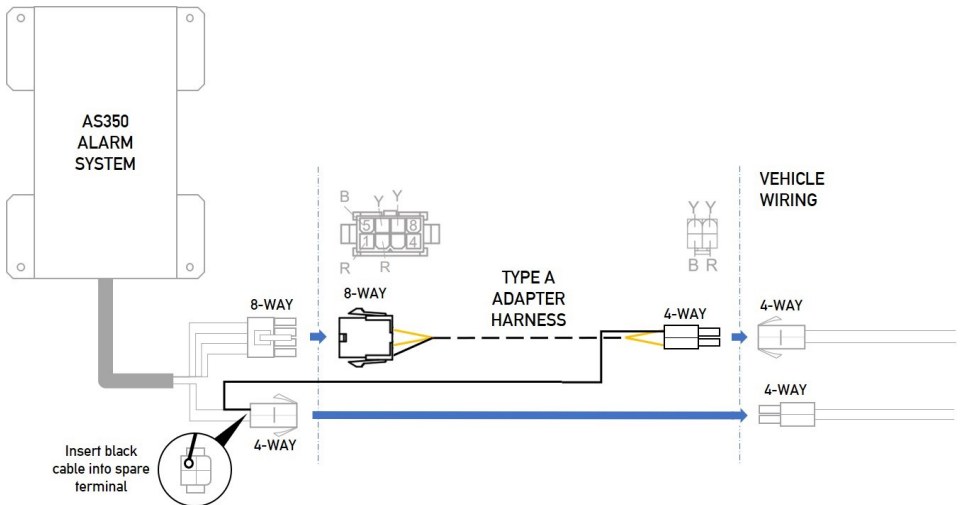


Fig1

Swift (Type B)

1. Connect 8-way plug on alarm to matching socket on vehicle harness
2. Connect adapter harness 4-way plug to matching socket on alarm
3. Connect adapter harness 2-way plug to matching socket on vehicle harness.
4. If required an output is provided to trigger a vehicle tracking system. This provides a negative (-ve) trigger when the alarm system is activated.

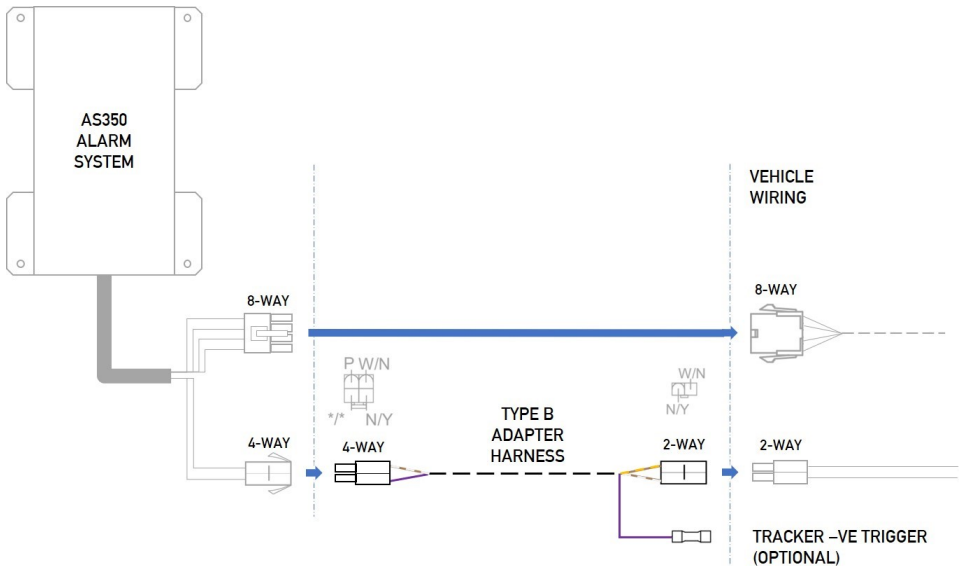


Fig2

Aftermarket (Type C)

1. Connect adapter harness 8-way plug to matching socket on alarm
2. Connect adapter harness 2-way plug to matching socket on vehicle harness. For vehicles without a matching socket, the 2-way plug can be removed and hard wired via a 5A fuse (see Fig4)
3. If required, cables are provided for connecting to an awning light switch or relay. Connect the yellow wires across the existing awning

light switch, the alarms awning control will then work in parallel with the awning light switch (see Fig3)

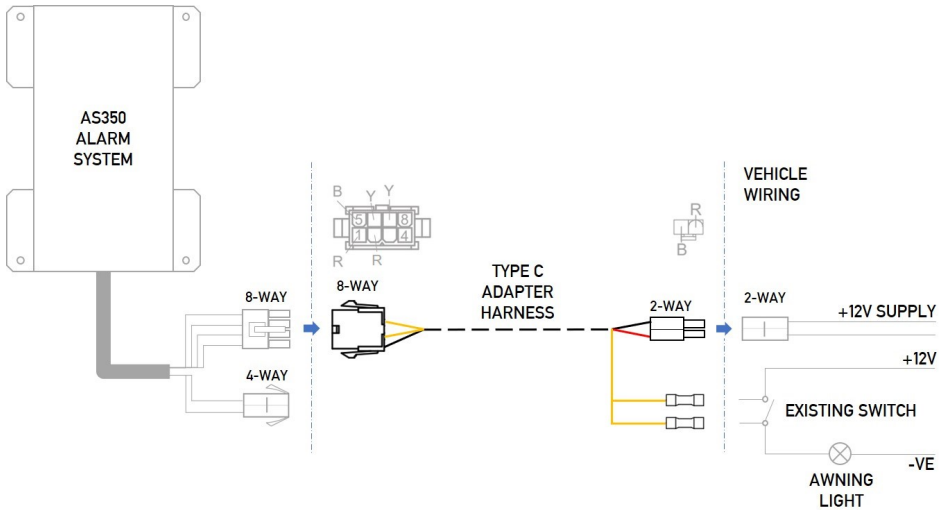


Fig3

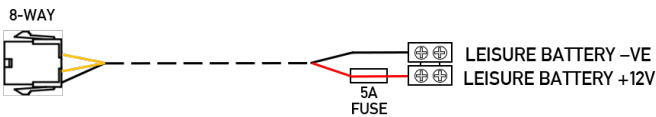


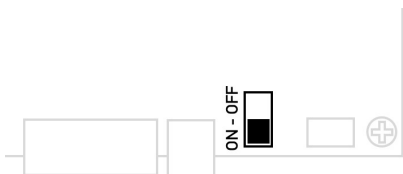
Fig4

Commissioning

Open the control unit by removing 2 x T10 torx screws on top cover and M10 cross bolt from side of the unit.

Enable battery backup

1. Remove the two screws holding the battery cover in place
2. Turn the battery backup switch (located on PCB) to the ON position



Note:- If you are adding extra key fobs to the system (more than the two supplied as standard) now is the time to 'learn' the extra fobs as per the separate instruction.

3. Replace the battery cover and alarm cover, ensuring to replace all screws including the cross bolt.

Testing

1. Reconnect the leisure battery and where required turn the caravan charger on.
2. Allow 2 minutes from initial switch-on for the system to stabilise. Exit the caravan and read the user instructions so that you know how to operate the alarm.
3. Arm the alarm by pressing the key fob power button (indicated by one beep)
4. Wait 45 seconds for the alarm to set, then walk into the caravan towards the PIR, checking that the siren operates.
5. Press the key fob power button to cancel the siren (indicated by 3 beeps).

Notes

Notes



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