

# INSTALLATION MANUAL



**PLEASE READ CAREFULLY PRIOR TO INSTALLATION**

## **IMPORTANT!**

It is highly recommended that this system is fitted by a qualified auto electrical installer. Incorrectly fitted systems and any unauthorised alterations will invalidate any warranty. Please follow the guidelines in these instructions and if in doubt contact Amber Valley HQ. Contact details are at the back of this document. We hope that you enjoy the benefits that ToolDefend can bring you and keep your tools safe and livelihood secure.

Thank you for choosing TOOLDEFEND

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## Parts List

<p><b>Parts:</b></p> <ul style="list-style-type: none"> <li>1 x Main Control Unit</li> <li>1 x Control Unit Lead</li> <li>2 x Sensors (double sided tape attached)</li> <li>2 x Remote Controls</li> <li>1 x Siren</li> <li>2 x Bolts to mount siren</li> <li>1 x Siren Extension Lead including Heat Shrink Sleeve &amp; Deutsch Connector</li> <li>2 x Battery Ring Connectors</li> </ul>	
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## Mounting & Wiring the System

When installing ToolDefend please mount the system in the following order:

1. **Sensors** – positioned on back door and side door of vehicle
2. **Main Control Unit** - positioned behind the internal panel on the back door
3. **Siren Extension Lead**
4. **Siren** – positioned under the bonnet

### 1. Sensors



Image. 1.1 - The ToolDefend sensors



Image 1.2 – Back Door Sensor

#### A. Back Door Sensor

Remove the door panel. Peel off the double-sided tape from the back of the sensor and stick the sensor on to the door.

Leave the cable ready to connect into the Main Control Unit – it can be connected to S1, S2 or S3.

## B. Side Door Sensor



Peel off the double-sided tape and stick the sensor towards the front of the side door as shown in image 1.3, 1.4 and 1.5.

Leave enough slack in the cable so the door can be operated without damaging or stretching the cable.

**Note:** Leave slack to stop the cable being damaged when side door is operated, illustrated in image 1.6.

Image 1.3 – Side Door Positioning



Image 1.4 – Side Door Positioning



Image 1.5 – Side Door Positioning



Image 1.6 – Slack side door cable

Once the sensor is in place (with slack on the side door), please route the cable towards the back door of the vehicle. Feed the cable through the existing rubber sleeve ready to connect into the Main Control Unit - S1, S2 or S3.

## 2. Main Control Unit



Image 2.1 – Main Control Unit

The main control unit (image 2.1) should be positioned behind the back-door panel where the sensor is. It can be secured in place with the double-sided sticky tape.

## 3. Control Unit Lead



Image 3.1 – White Connectors

Connect the white connectors (shown in image 3.1) of the control unit lead to the Main Control Unit. Illustrated in images 3.2 and 3.3.

The Deutsch Connector will connect to the Siren extension Lead.



Image 3.2 – White Connectors



Image 3.3 – White Connectors

## 4. Siren



Image 4.1 – Siren and Siren Extension lead

The siren (shown in image 4.1 with all components) should be located under the bonnet in a secure and dry position.

Mount the bracket under the bonnet in a position where it will not restrict the sound input.

Screw the siren firmly into position using x2 bolts. image 4.2. Connect the fixed Deutsch Connector.



Images 4.2 – Siren screwed firmly into place



Images 4.3



Image 4.4

Feed the 8m cable towards the back door where your sensor is mounted and where the main control unit is situated. Slip on the Heat Shrink and push the 3 connectors into the correct position as show in images 4.3 and 4.4:

- No 1 = **Red**
- No 2 = **Black**
- No 3 = **Green**

Slide the Heat Shrink over and apply heat to shrink, for example a lighter / match. Please do so with caution and in a safe manner.

## 5. Battery Connection

Connect the power cable from the siren to the vehicle battery, as shown in image 5.1.



Images 5.1 – Battery connection

The installation is now complete.

Use the remote control to arm and disarm the system.

Don't forget to disarm before starting the engine!

## Testing the system

To test the system please undertake the following:

- Close the back and side door of the vehicles the sensors are attached to
- Lock the vehicle and set the system using the remote
- Open the side or back door, the alarm is triggered and the siren will be activated