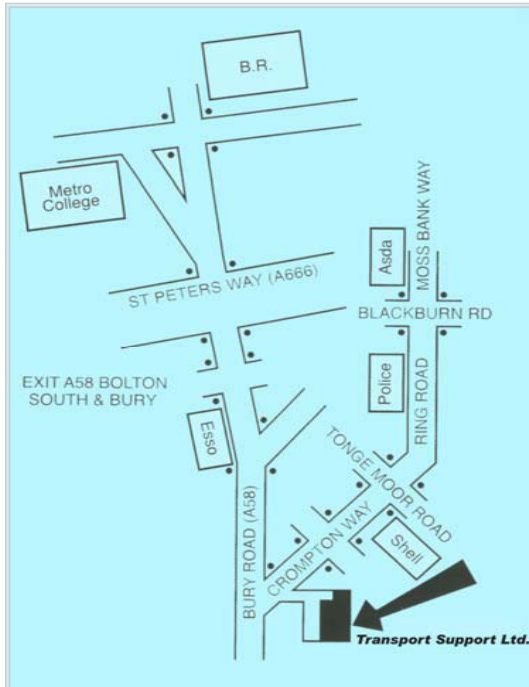


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## TS Body Up Indicator

### Installation and Operating Instructions



ISO9001 CERTIFIED COMPANY



United Registrar of Systems Cert. No. 1820

We are members of the



\*Articulated Kit Pictured.

\*\* Various lamp options available

## The TS Body Up Indicator

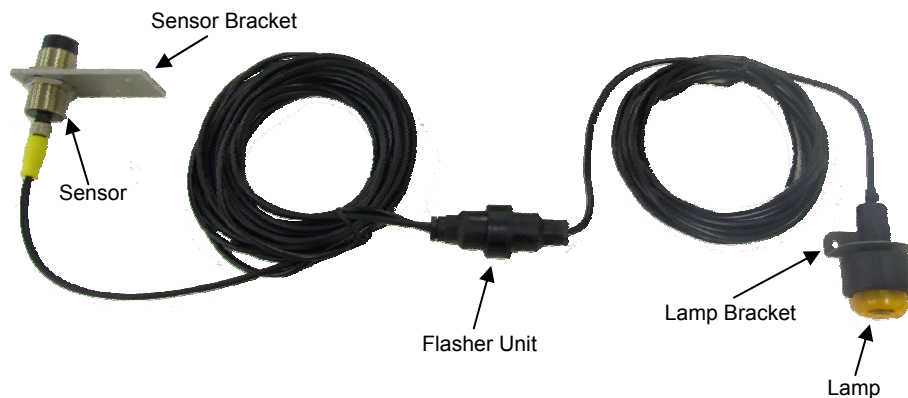
Simple, easily installed, and more importantly conforms to the legal requirements for tipper vehicles. The simplest body up indicator to fit on the market.

- Supplied with comprehensive instructions and all required fixings.
- Indicator lamp and/or buzzer for rigid vehicles
- Highly durable flexible rubber indicator lamp for articulated vehicles.

BLANK

### Legal Requirement!

It is a legal requirement to fit a visible warning device to vehicles with high level (over 3 meters) power operated equipment to alert the driver if the equipment exceeds a certain height.



## Options

### 95db External Sounder (for articulated vehicles)



Voltage: 12-24v  
db Level: 102db  
Frequency: 2.5kHz  
Fixing: single Bolt  
Ratings: CE, M.I.R.A., VCA,

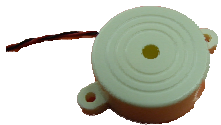
### Spring Switch



Alternative to Proximity Sensor  
For Rigid and Articulated Vehicles.

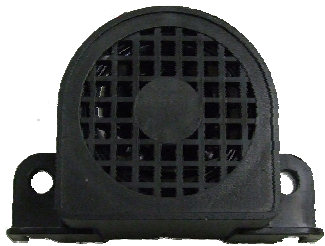
Fixing: 2 x M5x20 Hex Bolt SS  
Ratings: CE, IP67

### Internal Buzzer (for rigid vehicles)



Can be supplied in conjunction with  
standard dash mount LED or as an  
alternative to LED.

### Alternative 95db External Sounder (for articulated vehicles)



Voltage: 12-24v  
db Level: 102db  
Frequency: 2.5kHz  
Fixing: Two Bolt  
Ratings: CE, M.I.R.A., VCA,

## Installation of TS Body Up Indicator

### Articulated Vehicle

- The unit is powered by 24v DC from the trailer
- Power Lead Connections: Brown +v, Blue 0v.
- The rubber indicator lamp should be mounted to the trailer so that it can be easily seen by the driver in the rear view mirror. It should be mounted with the red lens facing to the rear.
- Mount the inductive proximity sensor to the trailer chassis so that it will sense the tipper body being raised. Mounting it as close to the front of the trailer as possible will ensure the body up indicator flashes as soon as the tipper body begins to rise. Note the sensor does not need to touch the tipper body. It has a 30mm sensing distance (on ferrous material).

### Rigid Vehicle

- The unit is powered by 24v picked up within the cab.
- Power Lead Connections: Brown +v, Blue 0v.
- The indicator LED should be mounted to the dash so that it can be easily seen by the driver. A 'Body Up' adhesive label is supplied. The connection box should be mounted behind the dash.
- Mount the inductive proximity sensor as described above.

## General

Operating Voltage: 24 V DC

Nominal Operating Current: < 150mA

Nominal Operating Temperature: -5°C to +55 °C

Visual Warning: High Intensity Amber Mod.50 flashing lamp or red LED or buzzer dependant on version.

## Cable

Length: Flasher unit to Sensor:5m

Flasher unit to Lamp: 5m

Power to Flasher unit: 5m

Type: Sensor: 4x0.34mm<sup>2</sup> PO3-4 300v PUR -5° to 90°C IEC332-1

Power/Lamp: 2x0.5mm<sup>2</sup> 2182YBK

ROSH COMPLIANT

## Fixings:

Sensor Bracket: 2xM5

Lamp Bracket: 2xM5

Fixings Supplied: 4 x M5x30 Stainless Steel Bolt

8 x M5 Stainless Steel Washer

4 x M5 Stainless Steel Nylock Nut

Bracket Materials: Sensor: Aluminium

Lamp: Zinc plated Steel

## Component Specifications

### Bulb

Type: R5W24V Homologation

Voltage: 24v

Wattage: 5W

Approvals: CE, ROSH, E19

### Bulb Housing

Type: Mod. 50

Material: Flexible Rubber (black)

Lens Colour: Amber

Approvals: CE, ROSH, E11

### Flasher Unit

Type: Manufactured by Transport Support

IP Rating: IP68

Materials: ABS (Black) for casing. Potted with PU7270 compound

Approvals: CE, ROSH.

### Proximity Sensor

Type: Inductive

Range: 30mm on ferrous material

Material: Stainless Steel

Size: M30