

Installation

Before You Start

Installation of the TC100 requires a moderate level of mechanical ability and a basic understanding of electrical systems. If you do not have experience in these areas, we recommend that you employ the services of a qualified automotive technician.

If you do decide to install the unit yourself, please ensure that you read all the instructions carefully before starting.



Warning

Monit Limited accepts no liability for any damage to property or persons, whether direct or consequential, as a result of the incorrect installation of the product.

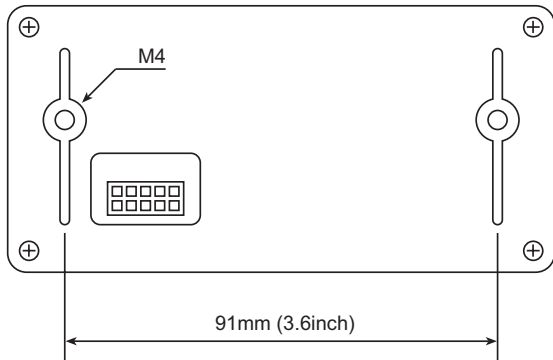
Fitting to the Vehicle

The small size and weight of the TC100 make it easy to mount almost anywhere inside your vehicle. Wherever you put it, ensure that your co-driver can comfortably reach all the buttons while seated, and that the unit cannot come free of its mountings in the event of an accident. If your vehicle has airbags fitted, it is very important that the device is not placed over the covers from which they are deployed. Doing so could result in serious injury.

To simplify attachment to your vehicle, the device has two metal bosses molded into the back part of the case. These accept standard M4 bolts. When mounting, also remember to leave space behind the unit for its electrical connector.

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*Mounting
Boss Positions
(not to scale)*



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Electrical Connections

All electrical connections to the device are made through a single connector located on the back of the unit. Included with your TC100 is a pre-wired loom that attaches to this connector, and provides colour coded wires for each signal. The functions associated with each of the wires on this loom are shown in the table on the right.

In its most basic configuration, the unit require only three wires to be attached: the two connections to the battery, and a vehicle speed signal. More complex setups might also use one or more of the auxiliary inputs, or the regulated 5V power supply for active type speed sensors. Whether these are required or not will depend on your vehicle type and setup preferences.

Colour	Description
Red	Battery +12V
Black	Battery Ground
White	Auxiliary A Input
Brown	Auxiliary B Input
Orange	Sensor +5V Supply
Blue	Speed Signal Input
Yellow	Sensor Ground

When connecting the unit up, ensure that any unused wires on the loom cannot short against each other or the vehicle's chassis.

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Power Supply

The device should be connected to the vehicle's battery through a 2A fuse as shown on the right. Make sure it is attached to a point in the system where power is always available, even when the ignition is turned off. An external power switch is not required.

Auxiliary Inputs

The unit includes two auxiliary inputs that can provide short-cuts to common tasks, such as resetting the counters or controlling the stop-watch. If used, these should be connected to user supplied switches as shown on the right. For more information on the setup and operation of this feature, see page C-4.

