

Packs Infotel Limited

MODEL 30

Installation Instructions

WARNING

The M30 is a computer controlled telemetry unit and although the M30 is protected to some extent from surges and transients from the Mains Supply, as well as the Telephone line and the M30 inputs, every care should be taken to reduce potential damage.

The M30 must be connected to a **CLEAN** mains supply of 230V 50Hz, with a good **EARTH**.

The M30 should **NOT** be connected to a supply where large motors, fan panels, or any other equipment where large transients may be induced into the mains supply.

If you are unsure as to whether your supply adheres to the above please check with a competent electrician.

ALL inputs to the M30 **MUST** be Volt-Free using signal type relays. Large relays should **NOT** be used where there is the potential to create large EMF spikes.

Packs Infotel Limited
1 Broomfield Hall Buildings
London Road
Sunningdale
Berkshire, SL5 0DP
England.

Telephone +44 (01344) 874114. Fax +44 (01344) 874664

Thank you for purchasing the M30 Autodialler.

Before beginning the installation of your M30 Autodialler/Telemetry unit, please check that you have the following contents.

1 off M30 Autodialler

1 off Sim-Card

WARNING

To prevent fire or shock hazard, DO NOT expose this product to rain or moisture. Disconnect Mains supply before removing termination lid.

FOR YOUR SAFETY PLEASE READ THE FOLLOWING CAREFULLY.

Caution

Avoid installing in the following places (doing so may result in malfunction, noise or discoloration).

In direct sunlight or where the M30 can be subject to temperatures outside it's operating range of 0 – 40 degrees centigrade (32 – 104 F).

Places in which shocks or vibrations are frequent or strong.

Dusty Places, or places where water or oil may come into contact with the unit.

Near high frequency equipment.

On or near computers, telexes, or other office equipment this also includes microwave ovens or air conditioners.

Near radio broadcast antennas (including short wave).

Install the M30 at least 1.8 metres from radios and televisions.

Mounting the M30

You will notice on the back of the M30 a protruding Mounting slot near the top centre of the M30.

Place one of the supplied screws into the wall where you wish the M30 to be installed and tighten the screw such that the M30 will hook onto the screw tightly.

Remove the termination plate and you will notice two slots on the left and right of the M30

Making sure the M30 is level, place the two remain screws into the left and right mounting holes and tighten.

Connection of the Telephone Line

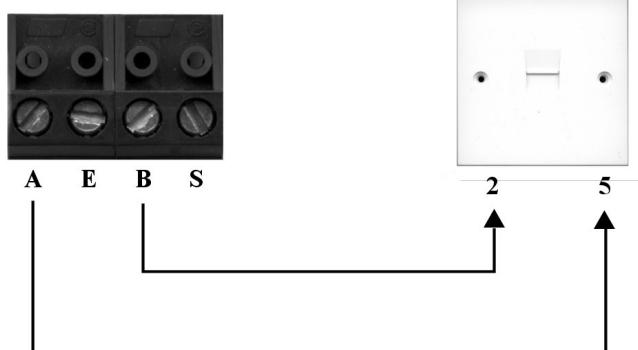
Connect the telephone cable to the **BT** terminal (found at the bottom right of the Circuit board) using the terminals marked '**A**' and '**B**'.

Connect the other end of the cable into the site '**BT Block**' at the terminals marked **2** and **5**

N.B If the terminals in the site '**BT Block**' are not numbered, then connect to the wires coloured '**Blue/White**' and '**White/Blue**' (It doesn't matter which way the wires are terminated).

B.T Line Connection

M30 BT BLOCK



Connecting the Alarm Inputs

NOTE: If your M30 is supplied with Grey Terminal blocks they can be pulled out for ease of wiring.

WARNING: All ‘Alarm inputs’ **MUST** be Normally open or Normally Closed **Volt** free contacts.

When supplied the M30 will be set for all ‘Alarm Inputs’ being Normally open and Enabled.

You will notice at the bottom centre of the Circuit board two terminal blocks marked ‘**Grounds**’. (Note there will be only 1 terminal block if your M30 is supplied for 8 channels).

Above the terminal block(s) marked ‘**Grounds**’ there is another terminal block(s) numbered 1 to 8 this terminal block represents each of your ‘Alarm inputs’.

Each ‘Alarm input’ will require 1 wire to be placed in the ‘**Grounds**’ terminal block and 1 wire to be placed in the relevant ‘Alarm Input’.

Changing Input type

The ‘Input configuration’ switches can be located by looking up and to the left of the ‘Alarm input’ termination block.

If any of your ‘Alarm inputs’ are normally closed you will need to change the configuration of the ‘Alarm input’ by moving the appropriate switch to the **down** position.

Enable and Disable Alarm inputs

Then ‘Alarm input’ Enable/Disable switches are located just above the ‘Input configuration’ switches.

If an ‘Alarm input’ is required **NOT** to dial out but to report on interrogation only move the relevant switch to the down position. This will inhibit the ‘Alarm input’ from dialling out on an alarm, but will report it’s state on interrogation or call-back.

Connecting the Mains

The Mains fused terminal block will be found on the left hand side of the circuit board on the M30.

A two-metre lead is already connected to the M30 ready for connection to a 'Non switched fused spur' (It's recommended that a 3A Fuse is fitted).

Note: We strongly recommend that you do **NOT** use a Standard 13A plug as this could be inadvertently removed and not replaced !

Notes for your own use.

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