

# Installation Manual

## Premier Elite RM8 Relay Module

INS191-2



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# Overview

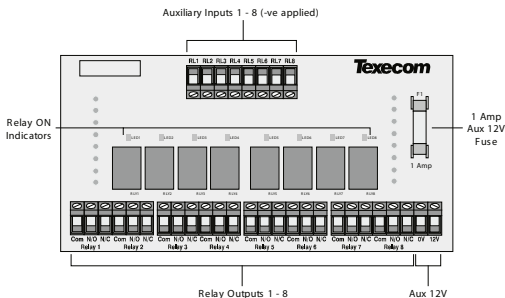
## General

The Premier Elite RM8 Relay Module is compatible with any control panels that have a plug on RedCARE/Dualcom footprint.

## Features

- 8 relay outputs (12V, 3Amp each)
- 8 Auxiliary inputs (-ve applied)
- Auxiliary 12V output (protected by a 1 Amp fuse)
- Relay ON indication via LED's

## Relay Module PCB Layout



## Installation

### General

Before attempting to install the RM8 Relay Module, isolate **ALL** power from the control panel (AC Mains and Battery). Do not continue if there is power still present on the control panel.



**NOTE** *Plugging on the Relay Module with power still present on the control panel may damage the Relay Module, control panel or both and invalidate any warranty.*

### Plugging on the Relay Module

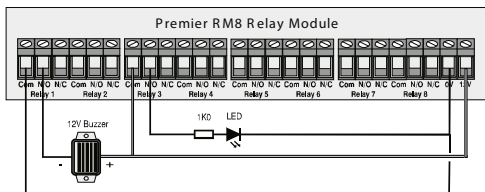
1. Ensure that the Relay Module is the correct way up (see page 2).
2. Gently press down on the Relay Module until the relay Module is seated correctly.
3. Reconnect power to the control panel.

### Testing on the Relay Module

1. For plug on operation, test the Relay Module in accordance with the control panel instructions.
2. To test the auxiliary inputs, apply 0V to each input in turn and ensure that the correct LED illuminates and a click is heard from the relay.

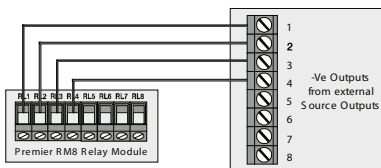
## Connecting Outputs

The *RM8* Relay Module has 8 outputs. These outputs can be used to drive auxiliary devices such as LED's, sounders or communicators etc. Each output is a clean contact relay rated at 3A @ 12V. The diagram below shows typical wiring examples for the outputs:



## Connecting Inputs

The *RM8* Relay Module has 8 auxiliary inputs. These inputs can be used to activate the relays from an external source. Each input is -Ve applied and draws up to 30mA. The diagram below shows typical wiring examples for the inputs:



## Specifications

<b>Operating Voltage</b>	10 - 13.7VDC
<b>Current Consumption</b>	
Quiescent	10mA
One Relay On	40mA
ALL Relays On	250mA
<b>Outputs</b>	
O/P 1 to 8	3A @ 12V, Clean Contact (each)
<b>Inputs</b>	
O/P 1 to 8	30mA -ve applied (each)
<b>Operating Temperature</b>	-10°C (+14°F) to +50°C (+122°F)
<b>Storage Temperature</b>	-20°C (-4°F) to +60°C (+140°F)
<b>Maximum Humidity</b>	95% non-condensing
<b>EMC Environment</b>	Residential Commercial Light Industrial Industrial
<b>Dimensions</b>	145mm x 75mm x 30mm
<b>Packed Weight</b>	100g approx.

## Standards



2004/108/EC (CE directive): Hereby, Texecom declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC.



**Weee Directive:** 2002/96/EC (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: [www.recyclethis.info](http://www.recyclethis.info).

**RoHS Directive:** 2002/95/EC RoHS Compliant. Hereby, Texecom declares that this device does not contain lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) in more than the percentage specified by EU directive 2002/95/EC, except exemptions stated in EU directive 2002/95/EC annex.

This product is a Type B Moveable device and is suitable for use in systems designed to comply with EN 50131-1, EN50131-3 and PD6662 at Grade 3 and Environmental Class II.

## Warranty

All Texecom products are designed for reliable, trouble-free operation. Quality is carefully monitored by extensive computerised testing. As a result the *RM8* Relay Module is covered by a two-year warranty against defects in material or workmanship.

As the *RM8* Relay Module is not a complete alarm system but only a part thereof, Texecom cannot accept responsibility or liability for any damages whatsoever based on a claim that the *RM8* failed to function correctly.

Due to our policy of continuous improvement Texecom reserve the right to change specification without prior notice.

*Premier Elite* is a trademark of Texecom Ltd.

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