INSTALLATION MANUAL

Premier Rm8

Relay Module

CE

Texecom
www.texe.com

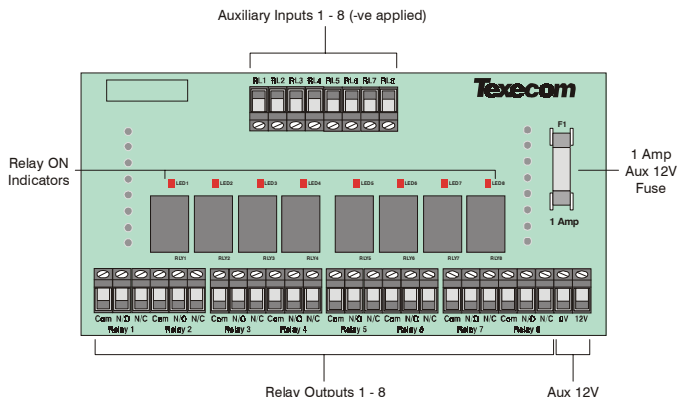# Contents

1. Overview

General

The *Premier 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

Auxiliary Inputs 1 - 8 (-ve applied)

Relay ON Indicators

1 Amp Aux 12V Fuse

Relay Outputs 1 - 8

Aux 12V

2. Installation

General

Before attempting to install the *Premier 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.
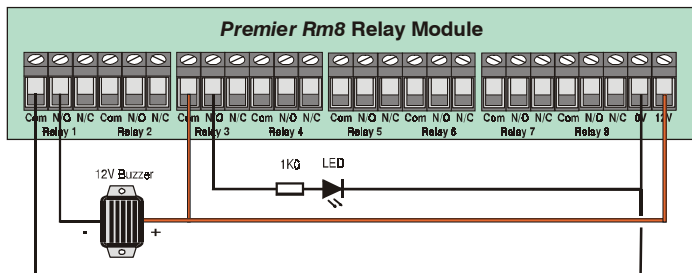
Plugging on the Relay Module

1. Ensure that the Relay Module is the correct way up (see page 3).

2. Ensure that all pins on the control panel line up the sockets on the Relay Module.

3. Gently press down on the Relay Module until the relay Module is seated correctly.

4. 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.
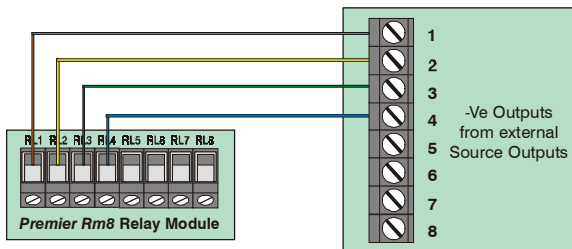
Connecting Outputs

The *Premier 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 *Premier 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:

3. Specifications

Electrical

Operating Voltage   10 - 13.7V$_{DC}$

Current Consumption
    Quiescent   10mA
    One Relay ON   40mA
    ALL Relays On   250mA

Outputs
    O/P 1 to 8   3A @ 12V, Clean Contact (each)

Inputs
    O/P 1 to 8   30mA -ve applied (each)

Environmental

Operating Temperature   -10°C (+14°F) to +50°C (+122°F)

Storage Temperature   -20°C (-4°F) to +60°C (+140°F)

Maximum Humidity   95% non-condensing

EMC Environment   Residential
                                    Commercial
                                    Light Industrial
                                    Industrial

Physical

Dimensions   145mm x 75mm x 30mm

Packed Weight   100g approx.

Standards

Conforms to European Union (EU) Electro-Magnetic Compatibility (EMC) Directive 89/336/EEC (amended by 92/31/EEC and 93/68/EEC).

The CE mark indicates that this product complies with the European requirements for safety, health, environmental and customer protection.

Warranty

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

As the *Premier 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 *Premier RM8* failed to function correctly.

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

Premier is a trademark of Texecom Ltd.