# Installation Manual

## PREMIER RKP8PLUS/16PLUS

**INS181-5**

Texecom

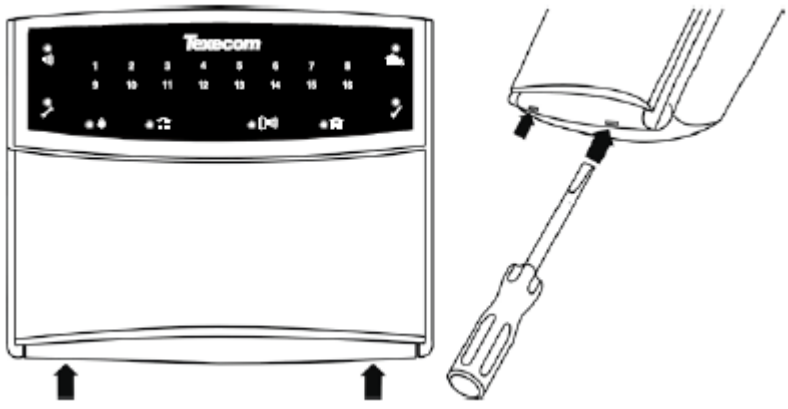
# Content

# 1.0 Installation

The *Premier RKP8/16 Plus* remote keypads are suitable for use with the following Texecom control panels: *Premier 412* and *Premier 816* with **Version 2.1** or higher panel software. Up to 6 keypads may be connected to the system

## 1.1 Mounting RKP8/16 Plus

Open the keypad by carefully inserting a small flat-blade screwdriver into each slot at the base of the unit. Gently push the screwdriver to ease the retaining clips upward, DO NOT LEVER OR TWIST. Excessive force is NOT required. The front flap and front cover can now be removed.



## 1.2 Selecting an Address

Each keypad MUST be given a different address using the DIP switch on the left hand side of the PCB as follows:

| Address | DIP 1 | DIP 2 | DIP 3 | DIP 4 | Switch |
|---|---|---|---|---|---|
| 1 | Off or On | Off | Off | Off |  |
| 2 | Off | **On** | Off | Off |  |
| 3 | Off | Off | **On** | Off |  |
| 4 | Off | Off | Off | **On** |  |
| 5 | **On** | Off | Off | **On** |  |
| 6 | Off | **On** | Off | **On** |  |

*NEVER set two RKPs to the same address. Keypads are factory set to Address 1 (all switches off).*

## 1.3 Wiring

It is strongly recommended that the system is completely powered down (mains and battery) before wiring a keypad. Connect the keypad to the control panel using 4-core cable as follows:

| Keypad | Control Panel | Description |
|---|---|---|
| + | Data Bus + | +12V Supply |
| - | Data Bus - | 0V Supply |
| T | Data Bus T | Transmit Data |
| R | Data Bus R | Receive Data |

Up to six keypads may be connected in parallel ('star') or series ('daisy-chain') or any combination.

NOTE *When using long cable runs or connecting keypads in series ('daisy-chain') ensure that the voltage at the keypad is no less than 10.0V. When using 6-core or 8-core cable always use the spare cores to 'double-up' on 0V. This will allow longer cable runs particularly when connecting keypads in series ('daisy-chain'). As a rule 'trebling-up' on 0V will be more beneficial than 'doubling-up' on 12V and 0V.*

### Keypad Zones

The ***Premier RKP8/16 Plus*** has two fully programmable zone inputs (Z1 COM Z2). For information on wiring configuration options please refer to the *Premier 412/816* Installation Manual.

In order to use the keypad zones, you must first enable the zones using Menu 43 Option 1 (refer to the *Premier 412/816* Installation Manual). When a keypad has its zones enabled they are mapped onto the system as shown:

| Keypad Address | RKP Z1 | RKP Z2 |
|---|---|---|
| 1 | Zone 9 | Zone 10 |
| 2 | Zone 11 | Zone 12 |
| 3 | Zone 13 | Zone 14 |
| 4 | Zone 15 | Zone 16 |
| 5 | Not Available | Not Available |
| 6 | Not Available | Not Available |

## 1.4 Programming/Confirm Devices

When the system is powered up you will need to confirm the devices connected to the data bus.

To Confirm Devices on all types of RKP's panel firmware version 14.06 onwards please use the following procedures. The method for each keypad is detailed.

NOTE *For previous versions (14.04 and below) you can only confirm devices with an LCD RKP.*

**RKP+8**

1. Allow system to operate for 30 seconds
2. Enter installer/engineer code – would display confirm devices
3. Press Yes Key – Enter confirm devices menu (All zone LED's will illuminate)
4. Press Yes Key – Accept Detected network devices (All zone LED's will un-illuminate)
5. Press Yes Key – Confirm detected devices, exit installer menu and returns to day mode operation

**RKP+16**

1. Allow system to operate for 30 seconds
2. Enter installer/engineer code – would display confirm devices
3. Press Yes Key – Enter confirm devices menu (All zone LED's will illuminate)
4. Press Yes Key – Accept Detected network devices (All zone LED's will un-illuminate)
5. Press Yes Key – Confirm detected devices, exit installer menu and returns to

day mode operation

*Any premier International panels containing a software version prior to V14.02 that is flashed with version V14.02 or later, The Confirm Devices strings are not loaded in the panel's memory so any reference to them results in black squares being shown.*

**Reload English Text Strings**

This can be achieved by entering the Installers code and then pressing the keypad's "Menu" key this provides a short cut to the language setting menu. Once the selected language is transferred from flash to memory the Confirm Devices strings will be displayed.

*Updated versions of the panel firmware can be found on our FTP server, or by contacting Technical Support.*

## 1.5 Technical Specifications

**Operating Voltage:** 9 – 13.7VDC
**Current Consumption**: Nominal: 35mA; When fully back lit: 85mA
**Zone Indicators**: 16 on the RKP16Plus; 8 on the RKP8Plus
**Status Indicators**: RKP Plus Alarm: Red; Service: Yellow; Fire: Red; Bypass/Omit: Red; Instant: Red; Stay/Part: Red; Ready: Green; **Armed**: Red
**Status Indicators:** RKP4/8/16 Alarm: Red; Trouble: Yellow; Armed: Red; Ready: Green
**Data Bus**: 4-wire up to 250m Star, Daisy-Chain or any combination
Operating Temperature: -10°C to +45°C
Storage Temperature: -20°C to +60°C
**Maximum Humidity**: 95% non-condensing
**EMC Environment**: Residential/Commercial/Light Industrial or Industrial
**Material:** 3mm Polycarbonate
**Dimensions**: RKP Plus 140mm x 115mm x 30mm
**Packed Weight**: RKP Plus 260g Approx.

## 1.6 Standards

Hereby, Texecom declares that this product complies with the following Directives 2014/53/EU RE Directive and 2011/65/EU ROHS Directive.The product therefore meets all the requirements to enable it to be CE marked.
**Weee Directive**: 2012/19/EU (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.

This product Type B Moveable device. And is suitable for use in systems designed to comply with EN 50131-1 & EN50131-3 at Grade 2 and Environmental Class II.

## 1.7 Warranty

All Texecom products are designed for reliable, trouble-free operation. Quality is carefully monitored by extensive computerised testing. As a result the *Premier RKP8/16 Plus* is covered by a two year warranty against defects in material or workmanship (details on request).

As the *Premier RKP8/16 Plus* 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 RKP8/16 Plus* failed to function correctly. Due to our policy of continuous improvement Texecom reserve the right to change specification without prior notice.