

Installation Manual

**PREMIER RKP4/8/16
&RKP8PLUS/16PLUS**

INS181-4

Content

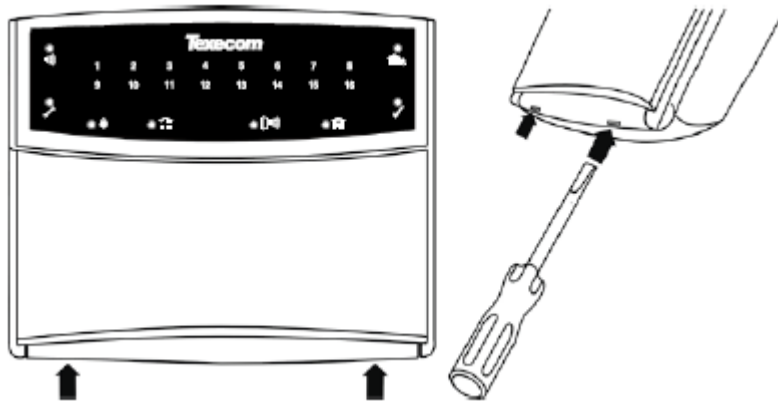
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1.0 Installation

The *Premier RKP4/8/16 & 8/16 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

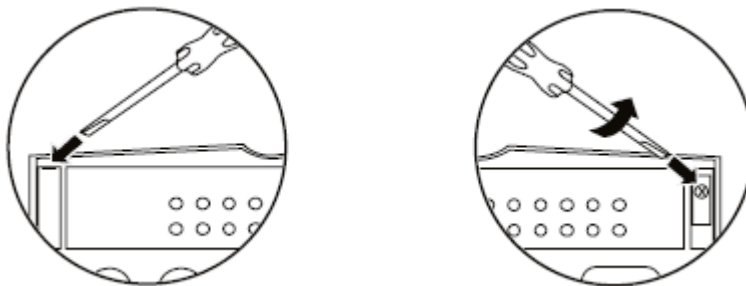
1.1 Mounting RKP8/16 Plus

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.



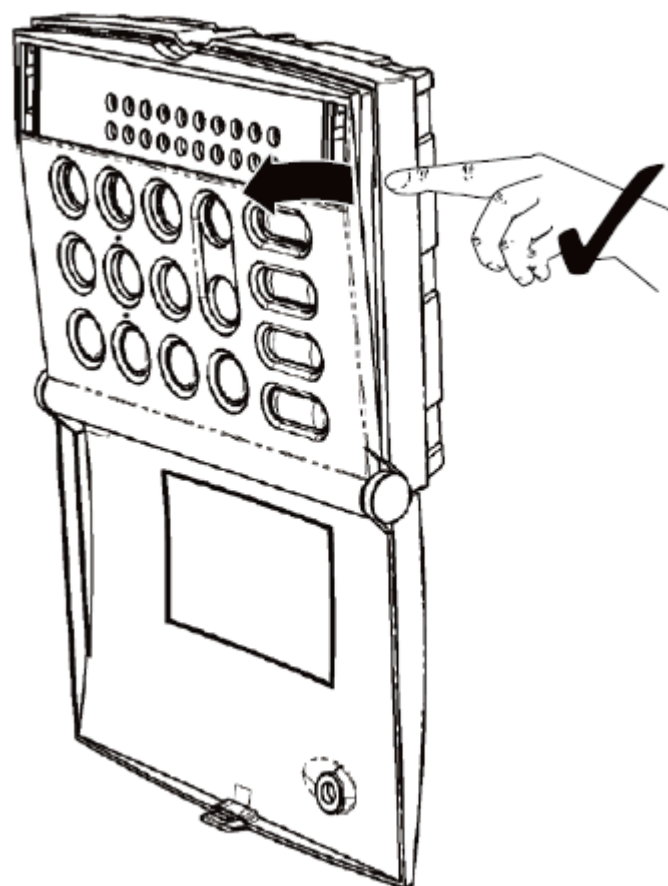
1.2 Mounting RKP4/8/16

Open the keypad by carefully inserting a small flat-blade screwdriver into both screw covers.









The PCB assembly is hinged for easy access. Alternatively the PCB assembly can be unclipped and completely removed if required.

Mount the keypad using at least two appropriate countersunk screws (no larger than No. 6). A keyhole slot has been provided to assist mounting and aid levelling.



1.3 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	



NOTE

NEVER set two RKP's to the same address. Keypads are factory set to Address 1 (all switches off).

1.4 Cable Entry RKP4/8/16

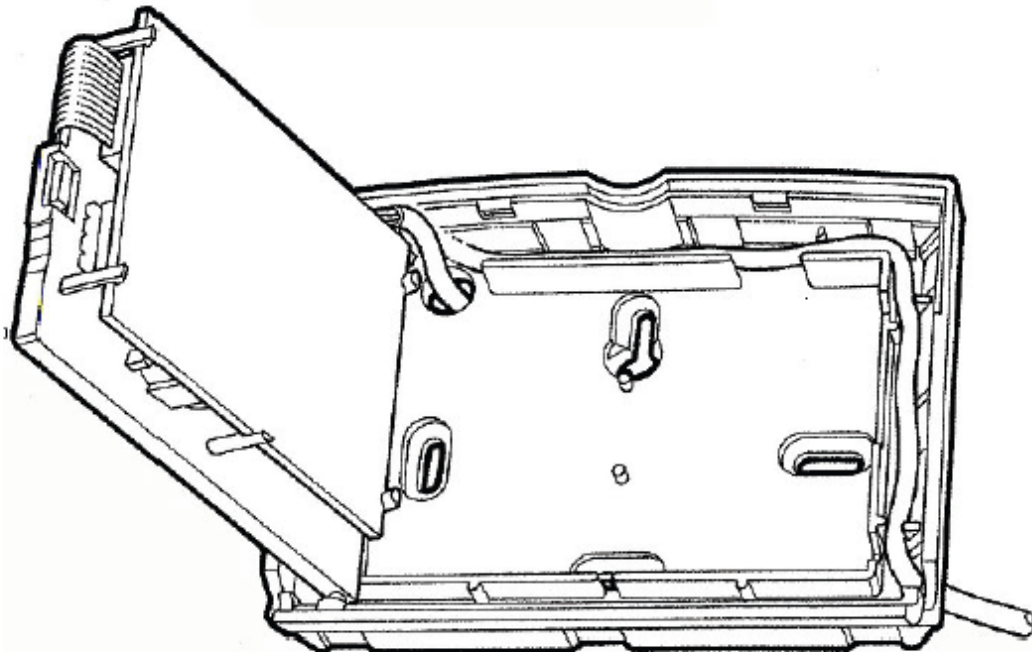


Figure 1 - Cable Entry

Cable entry **MUST** use either the top left-hand hole or the cable channel.
NEVER run cables behind the PCB.

1.5 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.



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

1.6 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.



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

LED RKP 4, 8 & 16

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

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.

1.7 Technical Specifications

Operating Voltage: 9 - 13.7VDC

Current Consumption: Nominal: 35mA; When fully back lit: 85mA

Zone Indicators: 16 on the RKP16/Plus; 8 on the RKP8/Plus 4 on RKP4

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

Dimensions: RKP4/8/16 140mm x 105mm x 35mm

Packed Weight: RKP4/8/16 380g

Packed Weight: RKP Plus 260g Approx.

1.8 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.

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 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.

1.9 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.

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