

2011 Scramble Keyboard



PRODUCT SPECIFICATION		
Parameter	Typical	Max
Operating Voltage Range	10 VDC	14 VDC
Operating Temperature	-15 °C	+ 50 °C
Supply Current (Display Off)	45 mA	60 mA
Supply Current (Display On)	200 mA	230 mA
Cable Distance to Controller	-	40 m
Cable Type	7/0.2 (.22mm ²) Screened	-
Weather Proofing	IP65	

Introduction

The scramble keyboard interfaces to the P1 or P3 Progeny access controller in much the same way as any other Progeny keyboard, but provides much greater security by ensuring that only the person using the keypad can see which numbers are being entered. In addition, the numbers behind each key are moved randomly each time the keyboard is used.

Operation

To begin with, no key numbers will be displayed. Press the “Star” key to light up the display behind the keys. It is a good idea to locate visually all the digits, you will need to enter the access code, first. Then enter the access code as normal.

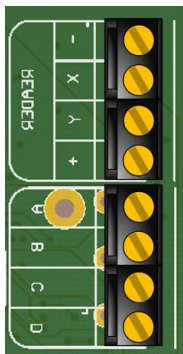
Each time the key is pressed an internal sounder will bleep. The display will turn off automatically, ten seconds after the first key press.

Important Note:

The first press of the “Star” key only lights the display, no key stroke is passed to the controller. So when programming using the scramble keyboard, you will need to press star twice for the first occurrence (e.g. *654321 *1 1234 Becomes **654321 *1 1234).

Connections

Connect the reader to the controller according to the wiring table below.



CONNECTION TABLE		
Connection	Keyboard	Controller
Supply positive	+	PSU AUX +12 V 1A
Supply negative	-	Keyboard 0 V
Data (Value 1)	A	A
Data (Value 2)	B	B
Data (Value 4)	C	C
Data (Value 8)	D	D
Yellow LED	Y	STATUS: LED



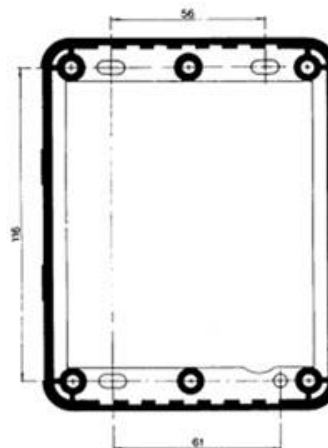
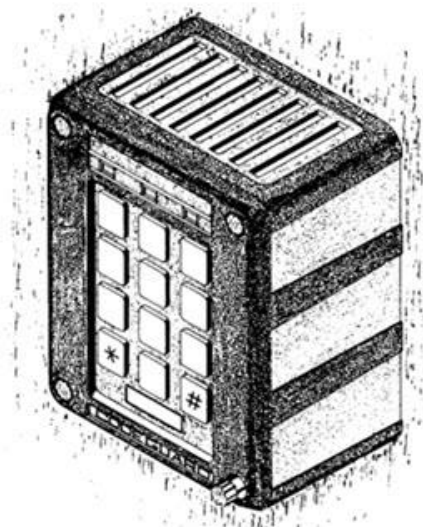
Cable Notes:

Always use a screened and non-twisted cables (8-core 7/0.02 mm) for card readers.

PACKING LIST	
QTY	Description
1	Manual
1	Scramble Keyboard
1	Back Box (Surface Mount Only)
1	Panel Mount Kit (Flush Mount Only)
4	Tamper resistant screws
4	Anti-tamper rings
1	Special assembly tool

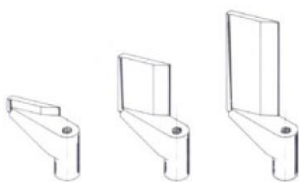
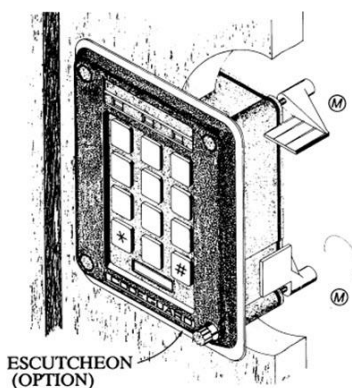
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Surface Mounting Instructions



Step	Description
1	Determine an appropriate mounting location.
2	For Wood & Metal: Drill four 2 mm holes approximately 1 inch deep for mounting the keyboard. For Brick Plaster etc: Drill and plug four holes for mounting the keyboard.
3	Drill a 10 mm hole for the cable.
4	Secure the keyboard back box to the mounting surface.
5	Route the cable from the keyboard to the controller.
6	Test the operation of the keyboard. Assemble the keyboard into the surface box Fit the tamper resistant screws using the special tool provided with the keyboard.
7	Fit the plastic anti tamper rings over the four mounting screw heads.

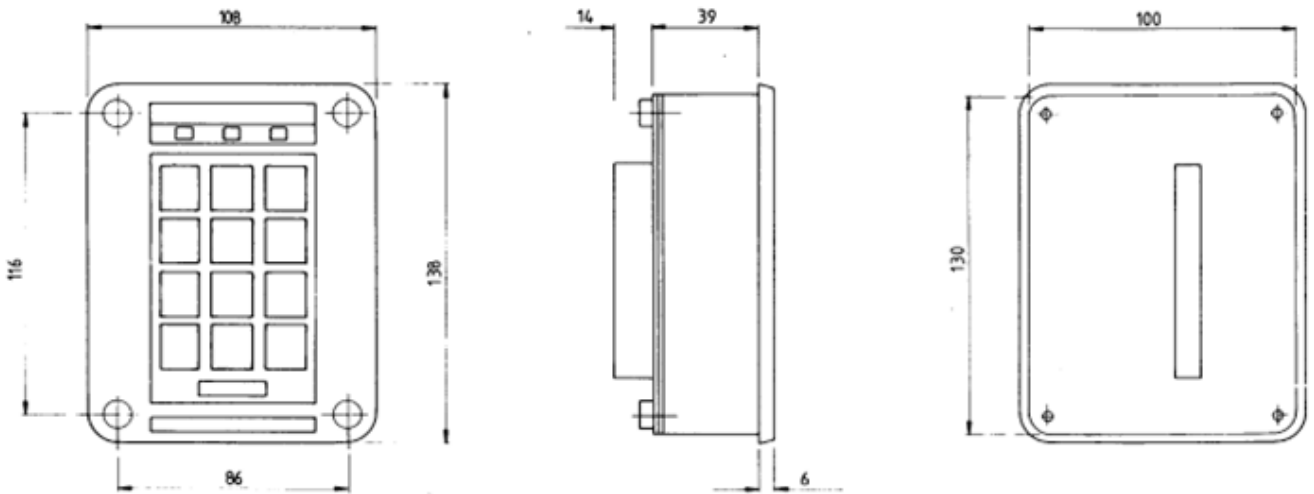
Flush Mounting Instructions



Flush Mounting Kit Tab Options	
Min Panel Thickness (mm)	Lugs
40	Short
22	Medium
4	Long

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Step	Description
1	Determine an appropriate mounting location. The vertical panel to which the keyboard is to be mounted may be anything up to 45mm thick but must also be strong enough to take the weight of the keyboard and the heaviest of key pushing that may occur
2	Cut an accurate aperture for the keyboard. An escutcheon plate is available to cover roughly cut edges Select the required lug from the table below:
3	Fit the screws through the keyboard enclosure and using the special tool provided screw them into the lugs. Rotate the lugs anti-clockwise to position the lugs against the sides of the keyboard
4	Route the cable from the keyboard to the controller.
5	Insert the keyboard through the aperture in the panel. Then tighten the screws using the special tool provided. This rotates the lugs in to position behind the panel.
6	Test the operation of the keyboard.
7	Fit plastic anti tamper rings



For further details and assistance contact us on 01254 883348 or email us at:

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