torm 6000 Series Keypads

Numeric data entry in exposed public environments

- **Rugged, reliable and responsive data entry**

- **Vandal resistant (20J BS EN 60068-2-75: 1997)**

- **Weather resistant (IP65)**

- **Large buttons for clarity and ease of use**

- **Permanent, high contrast, laser engraved keytop graphics**

- **4 row x 4 column matrix circuit format**

- **Suitable for use by those with mobility or sensory impairments**

- **Raised tactile symbols on coloured function keys**

- **Raised "home pip" on the "5" key**

- **Overall dimensions: 124.0 mm x 118.5 mm (excluding interface pod on rear face)**

www.storm-interface.com

Storm
6000 Series keypad for public environments

UK Keypad Layout

1	ABC 2	DEF 3	CANCEL
GHI 4	JKL 5	MNO 6	CLEAR
PQRS 7	TUV 8	WXYZ 9	?
*	0	#	ENTER

USA Keypad Layout

QZ 1	ABC 2	DEF 3	ENTER
GHI 4	JKL 5	MNO 6	CLEAR
PRS 7	TUV 8	WXY 9	?
*	0	#	CANCEL

Function Key Colours

CANCEL	Red	?	Blue
CLEAR	Yellow	ENTER	Green

15mm Sq (nominal)   15 x 20 mm (nominal)

114.0
124.0
118.5
108.5
13.3
4.2
R8.0
R5.0

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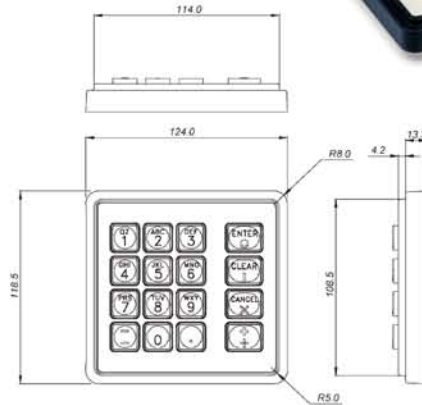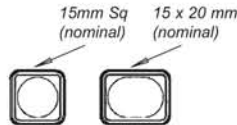
Matrix Keypad Connections

Row 1 Column 1	Row 1 Column 2	Row 1 Column 3	Row 1 Column 4
Row 2 Column 1	Row 2 Column 2	Row 2 Column 3	Row 2 Column 4
Row 3 Column 1	Row 3 Column 2	Row 3 Column 3	Row 3 Column 4
Row 4 Column 1	Row 4 Column 2	Row 4 Column 3	Row 4 Column 4
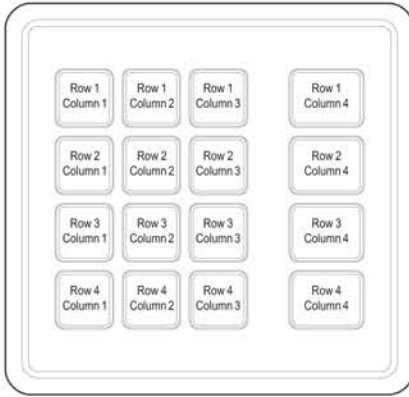
Contact Matrix

PINS	ROW / COLUMN
1	Not used
2	Tamper
3	R1
4	R2
5	C1
6	C2
7	C3
8	C4
9	R4
10	R3
11	NC
12	Tamper
13	Not used

CONTACT CIRCUIT SPECIFICATION

Contact	
Operating Voltage	24V dc (max)
Operating Current	50 mA (max)
Circuit Resistance	<500 Ohms
(when contact closed)	

Contact Connections (viewed from rear of keypad)

PINS	• • • • • • • • • • • • •
PIN NO.	13 12 11 10 9 8 7 6 5 4 3 2 1

Specifications

Vandal Resistant	20J BS EN 60068-2-75:1997
Weather Resistant	IP65
Large Buttons for clarity and ease of use	15mm square
Function Key Buttons	15mm x 20mm
Responsive key action	travel 1.5mm, actuation force 130gm
High contrast laser engraved graphics	designed to meet with current ADA and DDA recommendations
Raised tactile symbols on function keys	designed to meet with current ADA and DDA recommendations.
Panel Cutout	109.5 x 115.0 x R 5mm corners (tols ± 0.2mm)
Operating Temp	-20°C to +60°C
Matrix Output	(Order cables separately)

Meets CE and UL requirements for Product Safety

Meets CE and FCC requirements for EMC

Plug compatible with 420 Series RS232 Encoder

Panel Mount Gasket included

Stock No.	Item
6000-21001[x]	Keypad 6000 Series 16 way Matrix Output, UK layout
6000-21002[x]	Keypad 6000 Series 16 way Matrix Output, USA layout

Accessories [x] denotes packaging variant

Stock No.	Item
6000-MK00[x]	Mounting Clips Underpanel for 6000 Series
4200-00[x]	Encoder 420 Series, RS232, No Cable, Plug-in

6000 Series Application/Engineering Manual – free download from www.keymat.com

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