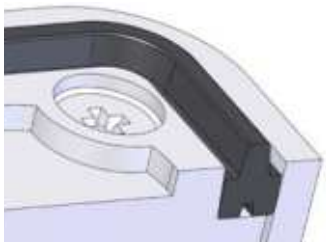
720 BLK Series Sealed and Rugged Keypads

These tough, water resistant keypads feature moving, tactile keys with a responsive 'over-centre' action. High contrast white keytop characters are permanently laser marked on black polymer keys. Function keys are in an easily recognizable colour coded format to present a contemporary and visually striking keypad.



The keypad can be installed on the surface or under the panel.

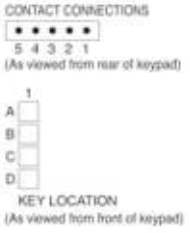
Fit the supplied silicone seal into the seal groove on the keypad
Use the groove on top for underpanel, and on back for surface fix.
The wide part of the seal goes into the groove – see picture below of the seal fitted to the back of the keypad.



Connection Details

Connection Details for 4 Key Keypad

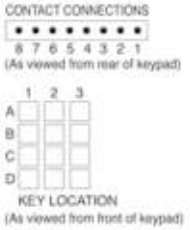
CONTACT CONNECTIONS



CONTACT MATRIX	
CONNEC. PIN	ROW/ COLUMN
1	common
2	D
3	C
4	B
5	A

Connection Details for 12 Key Keypad

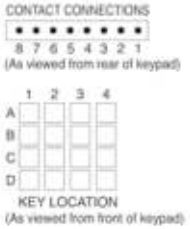
CONTACT CONNECTIONS



CONTACT MATRIX	
CONNEC. PIN	ROW/ COLUMN
1	A
2	B
3	1
4	2
5	3
6	-
7	D
8	C

Connection Details for 16 Key Keypad

CONTACT CONNECTIONS



CONTACT MATRIX	
CONNEC. PIN	ROW/ COLUMN
1	A
2	B
3	1
4	2
5	3
6	4
7	D
8	C

Electrical

Contact Bounce	**5 ms (max)**
Contact Resistance	**100 ohms (max)**
Insulation Resistance	**50 Mohms (min)**
Breakdown Voltage	**500 V AC (max 60 secs.)**
Switch Rating	**24V DC 50mA (max)**
Connection	**X-Y Matrix**

Part Numbers

7202-040020	**720BLK SERIES 4 KEY**
7202-12T020	**720BLK SERIES 12 KEY**
7202-16T020	**720BLK SERIES 16 KEY**

Mechanical

Operational Life	**2 million cycles (min) per key**
Keytop Travel	**1.4mm nominal**
Actuation Force	**150 grams nominal**
Connector	**0.1"pitch, gold plated square pin**
Mating Connector	**Molex 2695 Series or equivalent**

Accessories

4200-00	**RS232 Encoder Interface Module**
4500-00	**450 USB Encoder Interface Module**
4500-10	**450i USB Encoder Interface Module with Buzzer and Illumination Control**
Replacement Seals --	go to www.storm-interface.com

Performance

Operational Temp	**-20°C to 60°C**
Impact Rating	**5 J**
Vibration/Shock	**ETSI 300 019 5M3**
Water / Dust sealed	**IP65 (when fixed to suitable panel)**

Dimensions

Overall sizes	**See following page.**
Panel Cutout DXF	**Download .dxf and .stp files from**
Surface Model STEP	**www.storm-interface.com**



Whilst every effort is made to ensure details are correct at time of print, specifications are subject to change without notice
www.storm-interface.com

FM 39602

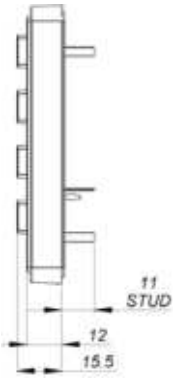
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720 BLK Series Sealed and Rugged Keypads

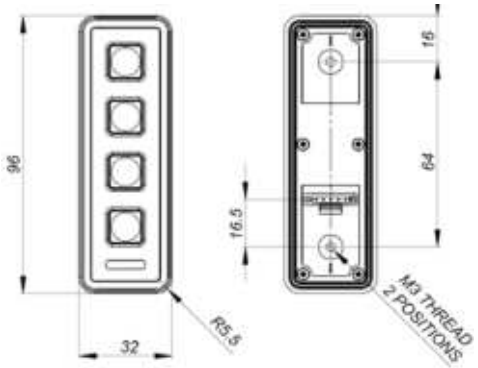
Install the keypad onto the surface of a panel as follows :-

- Fit the seal to the rear of the keypad
- Place the keypad onto the panel and fit the self locking nuts to the studs on the back
- Recommended tightening torque 50Ncm

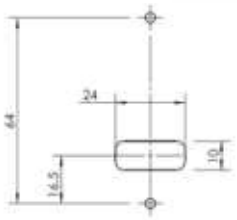
Side View : 4, 12, 16



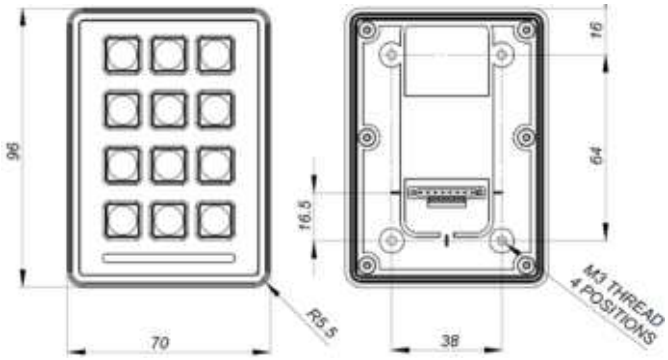
Front and Back View : 4 way



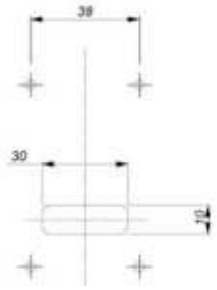
Panel Cutout : 4 way



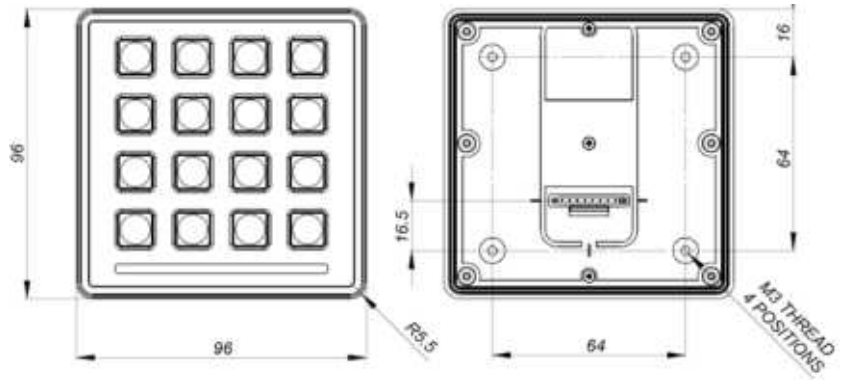
Front and Back View, 12 way



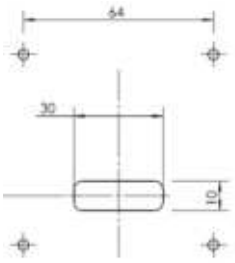
Panel Cutout : 12 way



Front and Back View, 16 way



Panel Cutout : 16 way



All panel dims in mm.
Corner Rads all M3

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