

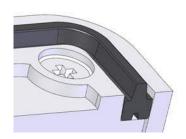
720 GFX Series Sealed and Rugged Keypads

These tough, water resistant keypads feature moving, tactile keys with a responsive 'over-centre' action. Keytop graphics can be easily customized by the use of legend tiles under 'snap-on' transparent keycaps. Once snapped into place the tamper resistant keycaps encapsulate and protect the keytop graphics.

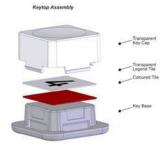


The keypad can be installed on the surface or under the panel.

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.



To customise the layout place a colour tile and a legend tile onto the key base, and clip the keycap over the top.



Connection Details for 4 Key Keypad

CONTACT CONNECTIONS 5 4 3 2 1 (As viewed from rear of keypad)

)						
KEY LOCATION						
٩	s vi	ewed	from	front	of keypad)	

CONTACT MATRIX CONNEC. ROW/ COLUMN common 2 D 3 C В

Connection Details for 12 Key Keypad

CONTACT CONNECTIONS 8 7 6 5 4 3 2 1 (As viewed from rear of keypad) 1 2 3

	$A \square \square \square$			
	В			
	c			
	D			
KEY LOCATION				
(As viewed from front of key)				

CONTACT MATRIX					
CONNEC. PIN	ROW/ COLUMN				
1	Α				
2	В				
3	1				
4	2				
5	3				
6	-				
7	D				
8	С				

Connection Details for 16 Key Keypad

CONTACT CONNECTIONS 8 7 6 5 4 3 2 1 (As viewed from rear of keypad) 1 2 3 4

A			
В 🗌 🗎 📗			
c 🗆 🗆 🗆			
D			
KEY LOCATION			
(As viewed from front of keypad)		

CONTACT MATRIX			
CONNEC. PIN	ROW/ COLUMN		
1	Α		
2	В		
3	1		
4	2		
5	3		
6	4		
7	D		
8	С		

White Colour Tiles and Set A Legends are included; Set A Legends comprises :-

1 2 3 4 5 6 7 8 9 0 + = x ÷ * # . $\leftarrow \uparrow \rightarrow \downarrow$ AC I/O ENT CE/E

Additional Legends (Tile sets B,C,D,E,F,) & Colours (White, Grey, Red, Green, Blue, Yellow) are available

Electrical

Contact Bounce Contact Resistance Insulation Resistance Breakdown Voltage Switch Rating Connection

5 ms (max) 100 ohms (max) 50 Mohms (min) 500 V AC (max 60 secs.) 24V DC 50mA (max) X-Y Matrix

Mechanical

Operational Life Keytop Travel Actuation Force Connector Mating Connector

2 million cycles (min) per key 1.4mm nominal 150 grams nominal 0.1"pitch, gold plated square pin Molex 2695 Series or equivalent

Performance

Operational Temp Impact Rating Vibration/Shock Water / Dust sealed

-20°C to 60°C ETSI 300 019 5M3 IP65 (when fixed to suitable panel)

Part Numbers

7207-041020 7207-121020 7207-161020 720GFX SERIES 4 KEY 720GFXSERIES 12 KEY 720GFX SERIES 16 KEY

Accessories

4200-00 4500-00 4500-10

& Replacement Seals

RS232 Encoder Interface Module 450 USB Encoder Interface Module 450i USB Encoder Interface Module with Buzzer and Illumination Control

Colour & Legend Tiles go to www.storm-interface.com

Dimensions

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





Storm is a trademark of Keymat Technology Ltd. Storm Interface is a trading name of Keymat Technology Ltd. **Storm Interface products include** technology protected by international patents and design registration. All rights reserved



720 GFX Series Sealed and Rugged Keypads

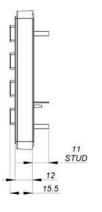
Install the keypad onto the surface of a panel as follows:-

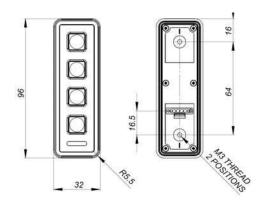
- Fit the seal to the rear of the keypad
- Place the keypad onto the panel and fit the self locking nuts to the studs on the back
- Recommended tightening torque 50Ncm

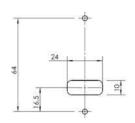
Side View: 4, 12, 16

Front and Back View: 4 way

Panel Cutout: 4 way

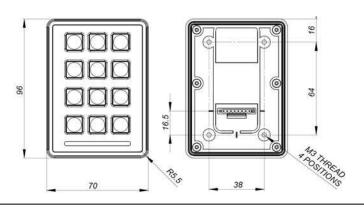


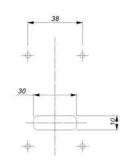




Front and Back View, 12 way

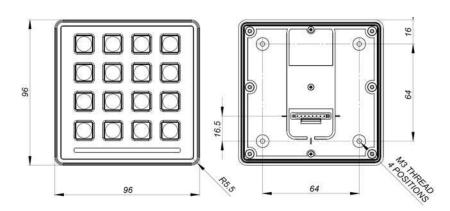
Panel Cutout : 12 way

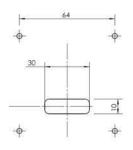




Front and Back View, 16 way

Panel Cutout: 16 way





All panel dims in mm. Corner Rads all M3

