

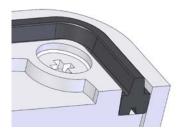
720 BLK Series Sealed and Rugged Keypads

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 5 4 3 2 1

В
c
D
KEY LOCATION
(As viewed from front of keypad

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

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		
Α[
В					
C					
D[
H	KEY	/ LO	CAT	TION	
(As	vie	wed	fron	n fron	t of

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

CONTACT

Connection Details for 16 Key Keypad

CONTACT CONNECTIONS

(A:	(As viewed iron rear or				OI
	1	2	3	4	
Α					
В					
С					
D					
KEY LOCATION					
(As viewed from front o			t o		

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

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 0.1"pitch, gold plated square pin Connector Mating Connector Molex 2695 Series or equivalent

Performance

Operational Temp Impact Rating Vibration/Shock Water / Dust sealed 2 million cycles (min) per key 1.4mm nominal 150 grams nominal

-20°C to 60°C

ETSI 300 019 5M3 IP65 (when fixed to suitable panel)

Part Numbers

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

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

Dimensions

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







720 BLK Series Sealed and Rugged Keypads

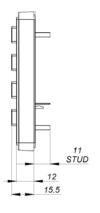
Install the keypad onto the surface of a panel as follows:

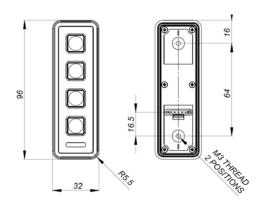
- Fit the seal to the rear of the keypad
- Place the keypad onto the panel and fit the self locking nuts to the studs on the back
- Recommended tightening torque 50Ncm

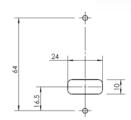
Side View: 4, 12, 16

Front and Back View: 4 way

Panel Cutout: 4 way

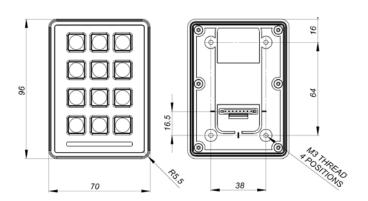


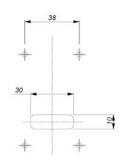




Front and Back View, 12 way

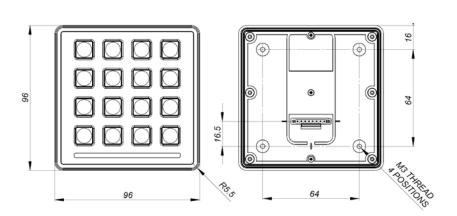
Panel Cutout: 12 way

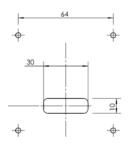




Front and Back View, 16 way

Panel Cutout: 16 way





All panel dims in mm. Corner Rads all M3

