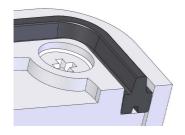


720 TFX-i Series Sealed and Rugged Keypads

These tough, water resistant keypads feature moving, tactile keys with a responsive 'over-centre' action and are designed for use in harsh industrial environments. High contrast white keytops are permanently laser engraved with black characters and have integral white LED illumination for use in dark or partially lit locations.



The keypad can be installed on the surface or under the panel. (Underpanel Installation Instructions are in the Underpanel Fitting Kit) 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		TACT TRIX
7 6 5 4 3 2 1 (As viewed from rear of keypad)	CONNEC. PIN	ROV
1	1	Catho
A	2	Comn
в	3	D
с	4	С
D	5	В
KEY LOCATION	6	Α
(As viewed from front of keypad)	7	Anod

MATRIX					
CONNEC. PIN	ROW/ COLUMN				
1	Cathode				
2	Common				
3	D				
4	С				
5	В				
6	Α				
7	Anode				

Connection Details for 12 Key Keypad

CONTACT CONNECTIONS

	•	•	•	•	•	•	•	•	•	•
	10	9	8	7	6	5	4	3	2	1
(As	vie	wed	d fr	om	rea	ar o	f ke	эур	ad)
		1	2		3					
,	Α[
	в[
	c[
	D[
	ŀ	(E)	L	oc	ΑT	101	V			
1	(As	vie	we	d fr	om	fro	nt d	of k	eyp	ad

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

Connection Details for 16 Key Keypad

•	•	•	•	•	•	•	•	•	
					5				
(As	vie	wed	d fr	om	rea	ar o	f ke	еур	6
		_		_					
_	1_	2		3	4	,			
A L			JL						
в			1		Г]			
сĒ	ī		ĬΓ	ī	Г	Ĭ			
	=	H	11	=	H	1			
D		L	JL						
Κ	ΕY	L	OC.	ΑТ	101	V			

Connection Details	CONTACT MATRIX			
for 16 Key Keypad CONTACT CONNECTIONS	CONNEC. PIN	ROW/ COLUMN		
•••••	1	Cathode		
10 9 8 7 6 5 4 3 2 1	2	Α		
(As viewed from rear of keypad)	3	В		
1 2 3 4	4	1		
A	5	2		
В	6	3		
сПППП	7	4		
	8	D		
KEY LOCATION	9	С		
(As viewed from front of keypad)	10	Anode		

Electrical

Contact Bounce 5 ms (max) 100 ohms (max) Contact Resistance 50 Mohms (min) Insulation Resistance Breakdown Voltage 500 V AC (max 60 secs.) Switch Rating 24V DC 50mA (max) X-Y Matrix Connection Illumination (Pin 1 is 0 V) 5 V DC ± 10 %,13mA per key

Mechanical

Operational Life Kevtop Travel Actuation Force Connector 0.1"pitch, gold plated square pin

Mating Connector Molex 2695 Series or equivalent

2 million cycles (min) per key

1.4mm nominal

150 grams nominal

Performance Operational Temp

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

Part Numbers

7203-04CW20 7203-12TW20 7203-16TW20 7200-FK020

720TFXi SERIES 4 KEY 720TFXi SERIES 12 KEY 720TFXi SERIES 16 KEY **UNDERPANEL FITTING KIT**

Accessories

4200-00 4500-10 RS232 Encoder Interface Module 450 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

Whilst every effort is made to ensure details

See following page. Download .dxf and .stp files from www.storm-interface.com







720 TFX-i Series Sealed and Rugged Keypads

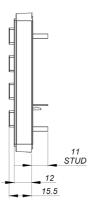
Install the keypad onto the surface of a panel as follows :-

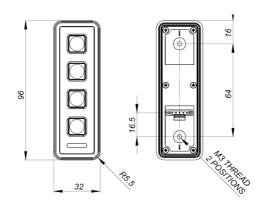
- Fit the seal to the rear of the keypad
- Place the keypad onto the panel and fit the self locking nuts to the studs on the back
- Recommended tightening torque 50Ncm

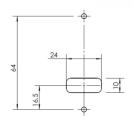
Side View: 4, 12, 16

Front and Back View: 4 way

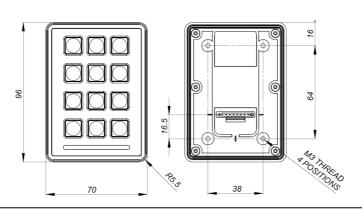
Panel Cutout : 4 way



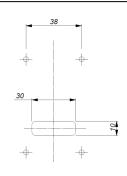




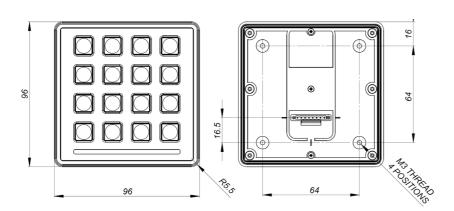
Front and Back View, 12 way



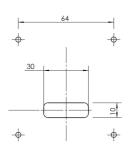
Panel Cutout: 12 way



Front and Back View, 16 way



Panel Cutout: 16 way



All panel dims in mm. Corner Rads all M3

www.storm-interface.com

