

# 720 GFX-i 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. These keypads have integral white light LED illumination for use in dark or partially lit locations.



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**

#### **Connection Details** for 4 Key Keypad



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

CONTACT

MATRIX

**Connection Details** for 12 Key Keypa CONTACT CONNECTIONS 

С

D

(As vie

KEY LOCATION

for 12 Key Keypad CONTACT CONNECTIONS	CONNEC. PIN	ROW/ COLUMN
• • • • • • • • • •	1	Cathode
10 9 8 7 6 5 4 3 2 1	2	A
(As viewed from rear of keypad)	3	В
1 2 3	4	1
A 🗌 🗌 🗌	5	2
в	6	3
c	7	-
	8	D
KEY LOCATION	9	С
(As viewed from front of keypad)	10	Anode

**Connection Details** for 16 Key Keypad CONTACT CONNECTIONS (Δς rear of ke в

ed from front of keypad)



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 Illumination (Pin 1 is 0 V)

## Mechanical

**Operational Life** Keytop Travel Actuation Force Connector Mating Connector

## 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)

5 ms (max) 100 ohms (max) 50 Mohms (min) 500 V AC (max 60 secs.) 24V DC 50mA (max) X-Y Matrix 5 V DC ± 10 % ,13mA per key

2 million cycles (min) per key

0.1"pitch, gold plated square pin

Molex 2695 Series or equivalent

1.4mm nominal

150 grams nominal

# Part Numbers

7207-041W20 7207-121W20 7207-161W20 720GFXi SERIES 4 KEY 720GFXi SERIES 12 KEY 720GFXi SERIES 16 KEY

#### Accessories 4200-00

4500-10

**RS232 Encoder Interface Module** 450 USB Encoder Interface Module with Buzzer and Illumination Control Colour & Legend Tiles

& Replacement Seals go to www.storm-interface.com

## Dimensions

Overall sizes Panel Cutout DXF Suface Model STEP

Whilst every effort is made to ensure details are correct at time of print, specifications are

subject to change without notice

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







www.storm-interface.co

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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

