

GFX-Illuminator SERIES

Keytop Assembly Instructions

Illuminated Series keypads are supplied with the key bases fitted. Each key position can be customised without dismantling the keypad. Keytop options can be selected from a library of standard symbols, characters or background colours. Alternatively, customised keytop graphics can be created using laser printed acetate film or screen printed polymer film. The total thickness of the coloured tile and legend tile should not

VR

Yes

Yes

exceed 0.4mm. (Please note, paper is not recommended as the printed graphics may degrade if exposed to moisture / condensation.)

- 1 Orientate the keypad correctly by checking the connector position on the underside of the keypad.
- 2 Load each key position in turn. First locate the legend tile into the transparent key cap, then locate the transparent coloured tile (see diagram). Before snapping the

transparent key cap, including legend and customer tile, into position ensure that the legend tile's position, orientation and alignment are correct.

Please note, if it is necessary to remove the transparent key cap a suitable tool or pliers should be used. Once removed the key cap should not be re-used; spare key caps and bases are available in sets of 4, part number GS0000.

Vandal Resistant Impact Resistant IP Rating Key Life (cycles) Service Temp. (non condensing) **Case Material Case Colour Contact Materials Contact Bounce Contact Resistance Insulation Resistance Breakdown Voltage Operating Voltage (contacts) Operating Current (contacts) Keytop Travel Actuating Force** Connector

Up to IP67

4 Million

-40°C to +100°C

Chromed zinc

Silver

Carbon/Gold

5ms

100 ohms (max)

50 Mohms (min)

500 V (60 secs)

24V dc (max)

50 mA (max)

1.4mm (nominal)

180gm (nominal)

0.1" Pitch, gold plated square pin, male with locking ramp

White Back Light **Power Requirement**

Red Back Light Power Requirement

Current limited to nx20mA @ Vf n = Number of keys Vf = 1.8V (typical)2.6V (max)f

Green Back Light Power Requirement Current limited to nx20mA @ Vf n = Number of keys Vf = 2.2V (typical)2.6V (max)

GFX

Nο Nο

Up to IP54

2 Million

-10°C to +75°C

Super impact polymer

Black

Carbon/Gold

5ms

100 ohms (max)

50 Mohms (min)

500 V (60 secs)

24V dc (max)

50 mA (max)

1.4mm (nominal)

180gm (nominal)

0.1" Pitch, gold plated square

pin, male with locking ramp

Current limited to nx10mA @ Vf

n = Number of keys

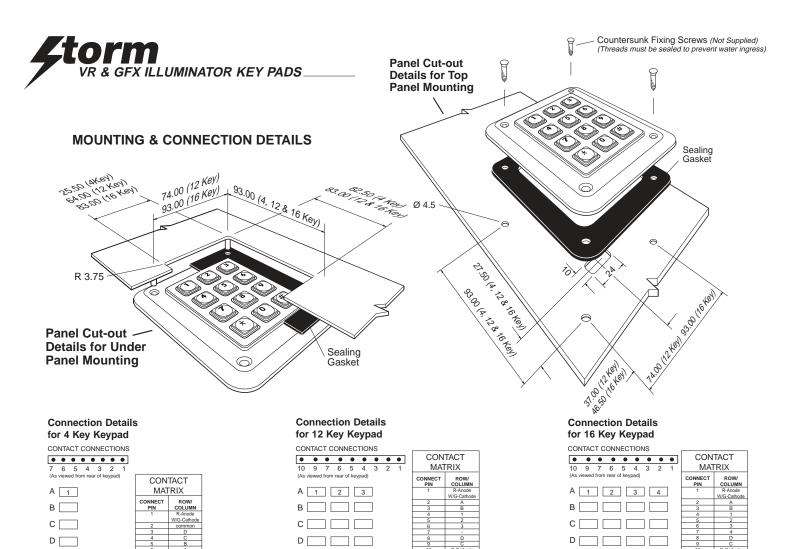
Vf = 3.5V (typical)

4.2V (max)

Reverse voltage, Vr = 5V max

Current limited to nx20mA @ Vf n = Number of keys Vf = 1.8V (typical)2.6V (max)

Current limited to nx20mA @ Vf n = Number of keys Vf = 2.2V (typical) 2.6V (max)



ACCESSORIES FOR USE WITH STORM ILLUMINATOR RANGE KEYPADS **Graphic Keytop Accessories**Enables custom configuration of keytop graphics and colour Stock No. Notes Universal Encoder 400000 Keypad Interface. PC/RS232 Providing space for additional components RC1202 or circuitry (12 key formats only) Supplied complete with fixing hardware, sealing gaskets and fixing instructions **Rear Casing** Supplied without keytop graphics. Suitable for engraving Blank Keytops (Storm 1000 Series) set of four 1K0000 Set E: Blank Supplied complete with fixing hardware, **Privacy Shroud** Provides PIN / Entry Code security (12 Key format only) 1KFS02 Set J: French symbols sealing gaskets and fixing instructions Set K: German symbols 1 pair for 4 key keypad, 2 pairs for 12/16 key keypads & 3 pairs for 36 key keypad.

KEY LOCATION (As viewed from front of keypad)

VR-Illuminator Keypads						
Description	Order Code	Description	Order Code			
4 Keypad - cursor	IKL041101	12 Keypad - Standard	IKL12T101			
4 Keypad - cursor	IKL041103	12 Keypad - Standard	IKL12T103			
4 Keypad - Function	IKL042101	16 Keypad - Calculator	IKL160101			
4 Keypad - Function	IKL042103	16 Keypad - Calculator	IKL160101			
12 Keypad - Calculator	IKL120101	16 Keypad - Standard	IKL16T101			
12 Kevpad - Calculator	IKL120103	16 Keypad - Standard	IKL16T103			

KEY LOCATION (As viewed from front of keypad)

GFX-Illuminator Keypads						
White Lights		Red, Green Lights				
Description	Order Code	Description	Order Code			
4 Keypad	GSLW040201	4 Keypad	GSRG040201			
4 Keypad	GSLW040203	4 Keypad	GSRG040203			
12 Keypad	GSLW120201	12 Keypad	GSRG120201			
12 Keypad	GSLW120203	12 Keypad	GSRG120203			
16 Keypad	GSLW160201	16 Keypad	GSRG160201			
16 Keypad	GSLW160203	16 Keypad	GSRG160203			

All dimensions in millimetres (mm).
Full product specifications are available on request from your local Storm supplier.
Storm keypads incorporate key switch technology protected by International Patents.

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

subject to change

without notice

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KEY LOCATION
(As viewed from front of keypad)