

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

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

White Back Light Power Requirement

Red Back Light Power Requirement

Green Back Light Power Requirement

VR

Yes

Yes Up to IP67

4 Million

-40°C to +100°C

-40 0 10 + 100 0

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

Current limited to nx20mA @ Vf n = Number of keys

Vf = 1.8V (typical)

2.6V (max)f

Current limited to nx20mA @ Vf n = Number of keys

Vf = 2.2V (typical)

2.6V (max)

GFX

No No

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)

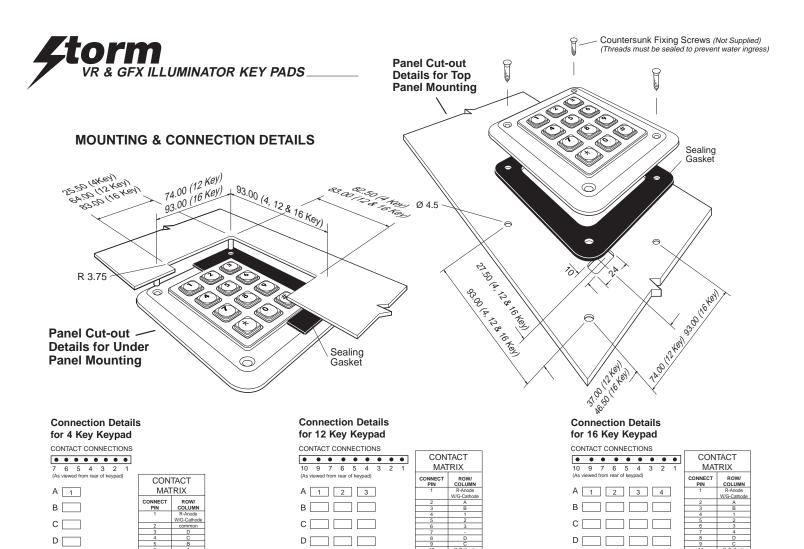
2.6V (max)

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.

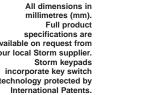
KEY LOCATION (As viewed from front of keypad)

I	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 Keypad - Calculator	IKL120103	16 Keypad - Standard	IKL16T103		

KEY LOCATION (As viewed from front of keypad)

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



data entry technology

KEY LOCATION (As viewed from front of keypad

uk office

storm data entry technology suite 202 364 pennsylvania avenue glen ellyn IL 60137 USA tel: (630) 469 2981 fax: (630) 469 2975

email: sales.usa@storm-keypads.com website: www.storm-keypads.com

Whilst every effort is made to ensure details are correct at time of print, specifications are subject to change without notice

102-XX-08KT - Iss2





keymat technology Itd 14 bentinck court bentinck road west drayton middlesex ub7 7rq tel: +44 (0)1895 431421 fax: +44 (0)1895 431132

email: sales@keymat.com website: www.keymat.com

Storm is a trademark of Keymat Technology Ltd