

storm

1000 PLX Series

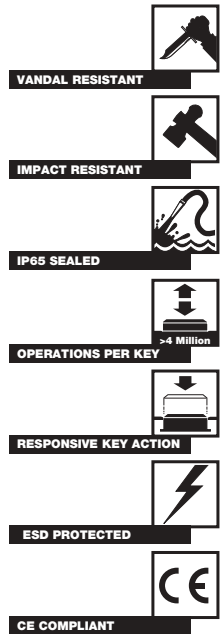
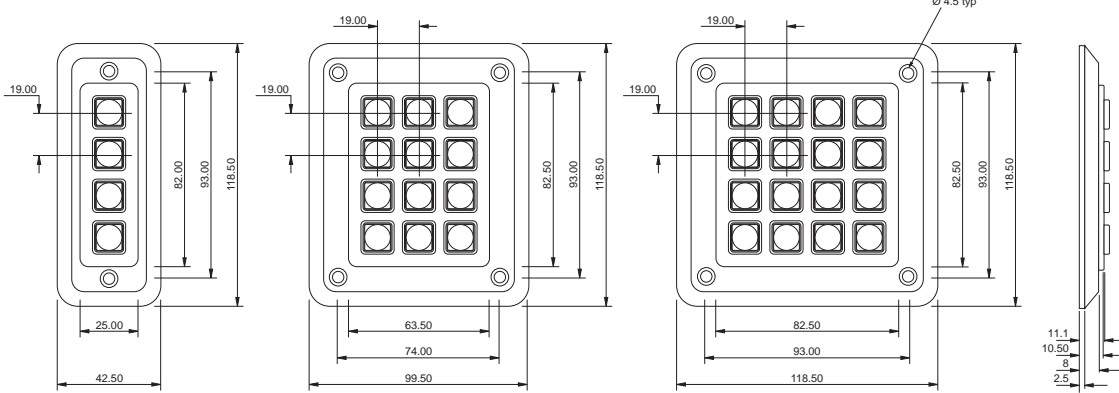
Ideal for use in applications where toughness and resistance to water and dust is required.

Similar to the STORM 1000 Series in design, PLX keypads are cased in a revolutionary super high impact polymer, for resistance to abuse and attack. The High Impact Polymer case replaces the cast metal case, reducing cost and weight. Cast metal keytops are retained to provide keypad graphics with unsurpassable toughness and wear resistance.

Part No.s
 PLX0422 (F1-F4)
 PLX0412 (← ↓ ↑ →)

PLX12T2 (Tel. Format)
 PLX1202 (Calc. Format)

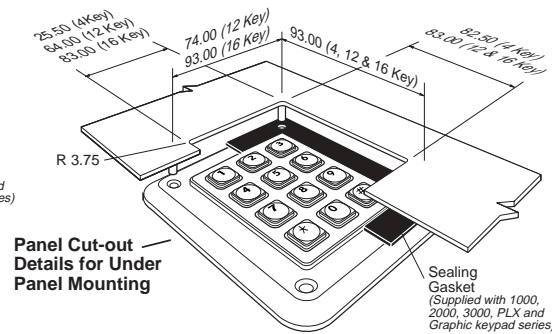
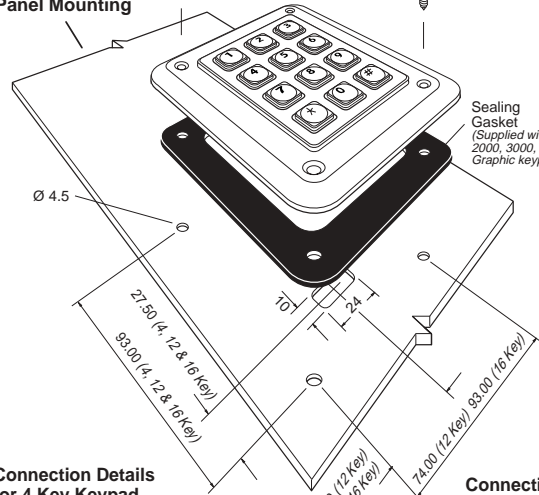
PLX16T2 (Tel. Format)
 PLX1602 (Calc. Format)



MOUNTING & CONNECTION DETAILS

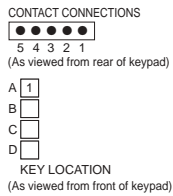
Countersunk Fixing Screws (Not Supplied)
 (Threads must be sealed to prevent water ingress)

Panel Cut-out
 Details for Top
 Panel Mounting

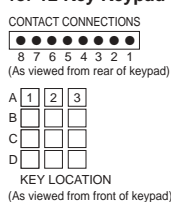


Panel Cut-out
 Details for Under
 Panel Mounting

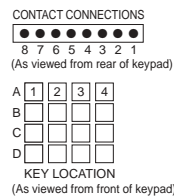
Connection Details for 4 Key Keypad



Connection Details for 12 Key Keypad



Connection Details for 16 Key Keypad



CONTACT MATRIX	
CONNEC. PIN	ROW/COLUMN
1	A
2	B
3	1
4	2
5	3
6	4
7	D
8	C

All dimensions are in mm

ELECTRICAL

Contact Bounce	5ms (max)
Contact Resistance	100 ohms (max)
Insulation Resistance	50 Mohms (min)
Breakdown Voltage	500V AC (max 60 secs.)
Operating Voltage	24V DC (max)
Operating Current	50mA (max)

ENVIRONMENTAL

Water / Dust Sealed	IP65 (when mounted to suitable enclosure)
Operational Temperature	-40°C to +100°C (Dry)
Impact	20 Joules via 50mm Ø steel impactor

MECHANICAL

Operational Life	4 million cycles (min) per key
Keypoint Travel	1.4mm nominal
Actuation Force	180gms nominal
Connector	0.1" pitch, gold plated square pin, male connector with locking ramp

MATERIAL

Casing	Super High Impact Polymer (black)
Keypoints	Chromed die-cast zinc
Keypoint Legends	Engraved
Contact Circuit	Gold on Nickel plated FR4

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



FM 39602



usa 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

uk office:
 keymat technology ltd
 14 bentinck court
 bentinck road
 west drayton
 middlesex ub7 7rq

tel: +44 (0)1895 431421
 fax: +44 (0)1895 431132
 website: www.keymat.com

Storm is a trademark of Keymat Technology Ltd