storm® 1000 PLX Series

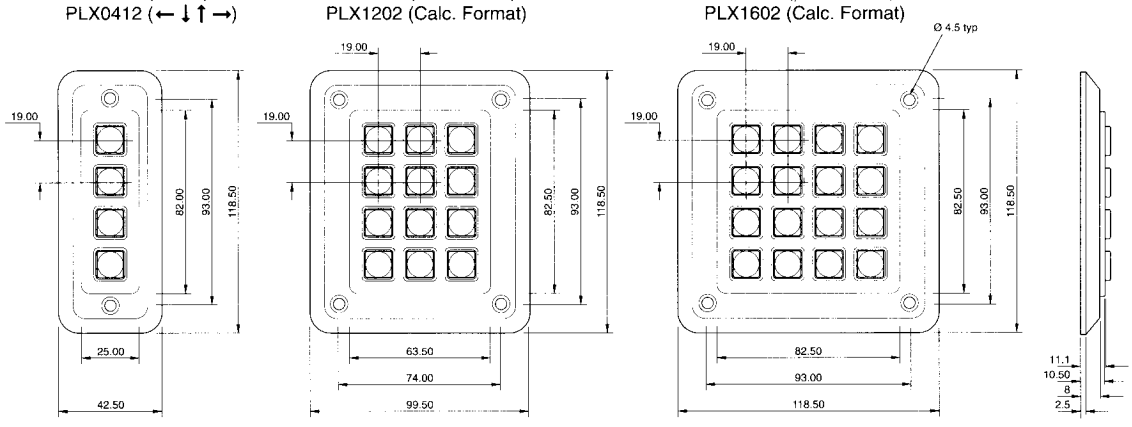
Ideal for use in applications where toughness and resistance to water and dust is required.

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 keytop graphics with unsurpassable toughness and wear resistance.

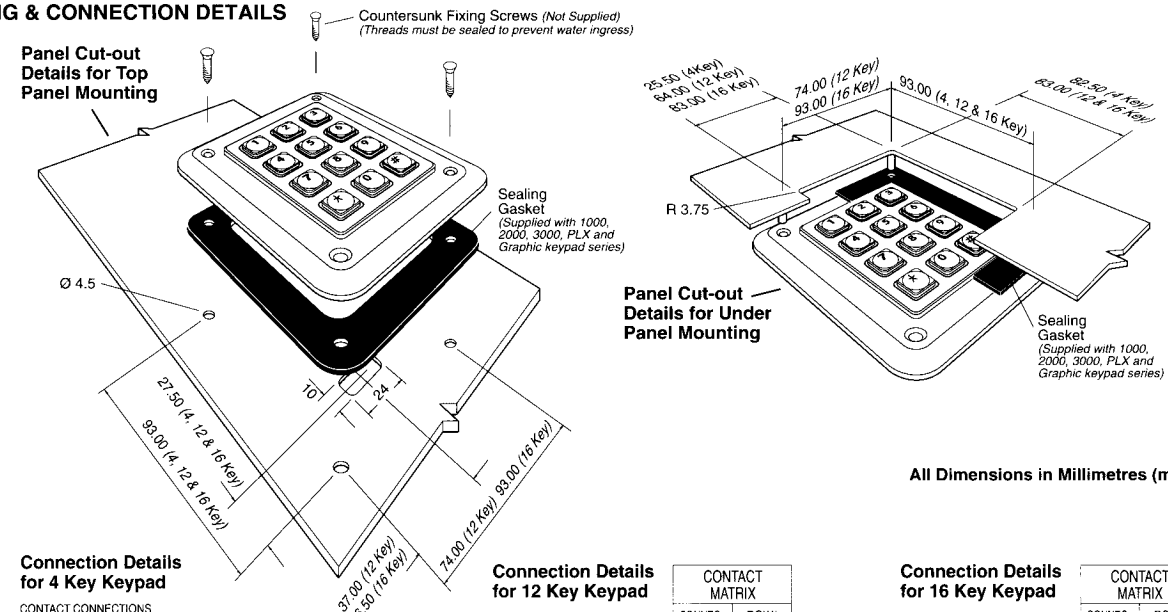
VANDAL RESISTANT
IMPACT RESISTANT
IP65 SEALED
>4 Million OPERATIONS PER KEY
RESPONSIVE KEY ACTION
ESD PROTECTED
CE COMPLIANT

Part No.s

PLX0422 (F1-F4)	PLX12T2 (Tel. Format)	PLX16T2 (Tel. Format)
PLX0412 (← ↓ ↑ →)	PLX1202 (Calc. Format)	PLX1602 (Calc. Format)



MOUNTING & CONNECTION DETAILS



All Dimensions in Millimetres (mm).

Connection Details for 4 Key Keypad

CONTACT CONNECTIONS
5 4 3 2 1
(As viewed from rear of keypad)

A 1
B
C
D
KEY LOCATION
(As viewed from front of keypad)

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

Connection Details for 12 Key Keypad

CONTACT CONNECTIONS
8 7 6 5 4 3 2 1
(As viewed from rear of keypad)

A 1 2 3
B
C
D
KEY LOCATION
(As viewed from front of keypad)

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

Connection Details for 16 Key Keypad

CONTACT CONNECTIONS
8 7 6 5 4 3 2 1
(As viewed from rear of keypad)

A 1 2 3 4
B
C
D
KEY LOCATION
(As viewed from front of keypad)

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

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
Keytop 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)
Keytops	Chromed die-cast zinc
Keytop Legends	Engraved
Contact Circuit	Gold on Nickel plated FR4

KEYMAT TECHNOLOGY LTD
14 Bentinck Court Bentinck Road
West Drayton UB7 7RQ England
Telephone: +44/(0)1895 431421
Telefax: +44/(0)1895 431132

USA Office:
MGR INDUSTRIES INC
450-B Industrial Drive, Fort Collins, CO 80524
Tel: 970-221 2201 Fax: 970-484 4078

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

STORM IS A TRADEMARK OF KEYMAT TECHNOLOGY LTD.

PLX-LIT-01
Issue 1 – Jun 98

Web Site: http://ourworld.compuserve.com/homepages/KEYMAT_TECHNOLOGY/
E-Mail: INTERNET: keymat_technology@compuserve.com

FM 39602