



VANDAL RESISTANT



IMPACT RESISTANT



IP65 SEALED



OPERATIONS PER KEY



>4 Million

RESPONSIVE KEY ACTION



ESD PROTECTED



CE COMPLIANT



Tough keypads for exposed public applications

Manufactured to survive hard
use and abuse under extreme
environmental conditions

storm[®]
1000 PLX Series

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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.

Part No.s

PLX0422 (F1-F4)

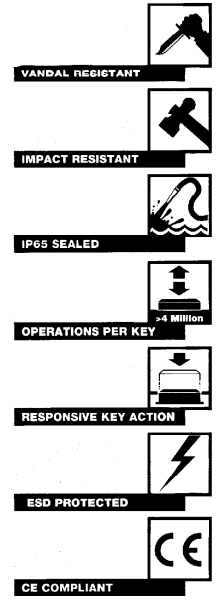
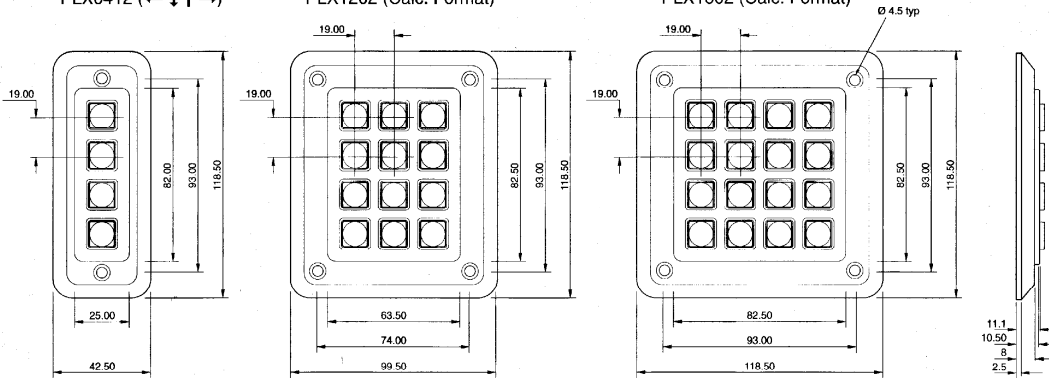
PLX0412 (← ↓ ↑ →)

PLX12T2 (Tel. Format)

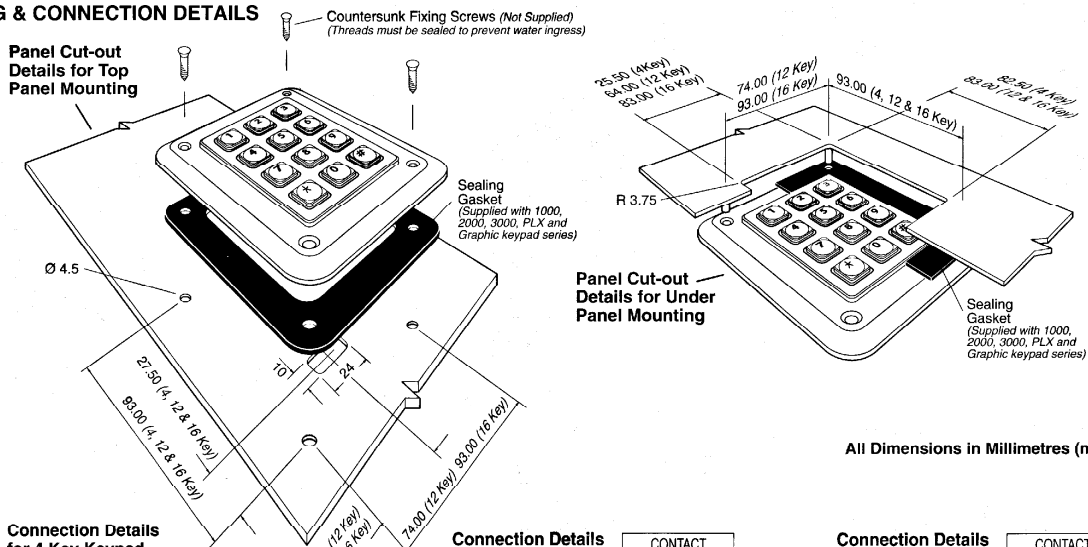
PLX1202 (Calc. Format)

PLX16T2 (Tel. 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	
CONN. 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	
CONN. 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	
CONN. 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



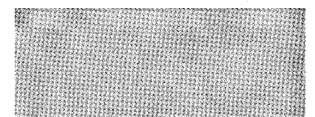
FM 39602

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