

Keyboards & Keypads - continued

Storm Multi-Purpose Keypad Range - Up to IP67 - continued

Storm 'K' Series - continued

- 5 ranges of keypads offering excellent price/performance for all applications
- Keypads are completely interchangeable across the series
- Easy to install and use
- High specification gold plated circuitry and connectors provide high reliability
- Compatible with the universal keypad encoder (177-687)
- Privacy shroud provides added security for financial transactions, access control and other applications where PIN protection from observation is required
- Customisable keytop legends, see STORM graphics series spare keytops Order Code 102-933
- Supplied with comprehensive instructions

Product Selection Guide

Conditions▶	Vandal Resist	Impact Resist	Sealed to IP67	Sealed to IP65	Sealed to IP54	Replaceable Keytops
Range▼						
1000 Series Public Outdoor	✓	✓	✓	✓	✓	✓
1000PLX Series Public Outdoor	✓	✓	X	✓	✓	✓
2000 Series Industrial/Outdoor	X	✓	X	✓	✓	✓
3000 Series Sheltered Outdoor	X	X	X	X	✓	✓
4000 Series Light Duty/Indoor	X	X	X	X	X	Keytops

Series	Key Life (cycles)	Service Temperature	Case Material	Keypad Material	Keypad Legends	Legend Colour
1000	4 million	-40°C to +100°C	Chromed zinc	Chromed zinc	Engraved	Black
1000PLX	4 million	-40°C to +100°C	Super high impact polymer	Chromed zinc	Engraved	Black
2000	4 million	-25°C to +85°C	Super impact polymer	Super impact polymer	Laser marked	Dark Grey
3000	2 million	-10°C to +85°C	General Service Polymer	General Service Polymer	Printed	Dark Grey
4000	2 million	0°C to +70°C	General Service Polymer	Silicon Rubber	Printed	Dark Grey

Contacts Carbon/Gold, 100mΩ (max.), 5ms (max.) bounce
 Insulation 50mΩ (min)
 Breakdown 500V ac (60secs)
 Operation 24V dc, 50mA
 Actuation 180g
 Connections 0.1" gold plated, square pin male

SW313/230750

	Order Code	1+	10+	50+
1000 Series - Vandal Resistant - IP67				
4 Key (F1, F2, F3, F4)	980-9805	2,452.00	2,238.00	2,142.00
4 Key (↕↔↔↔)	980-9791	2,452.00	2,238.00	2,142.00
12 Key Calc. style	980-9813	3,602.00	3,355.00	3,252.00
12 Key Tel. style	980-9821	3,532.00	3,285.00	3,148.00
16 Key Calc. style	980-9830	4,431.00	4,126.00	4,000.00
16 Key Tel. style	980-9848	4,344.00	4,041.00	3,866.00
1000PLX Series - Vandal Resistant - IP65				
4 Key (↕↔↔↔)	981-0200	2,134.00	1,947.00	1,843.00
12 Key Calc. style	981-0218	3,073.00	2,857.00	2,721.00
12 Key Tel. style	981-0226	3,073.00	2,857.00	2,721.00
16 Key Calc. style	981-0234	3,779.00	3,514.00	3,347.00
16 Key Tel. style	981-0242	3,779.00	3,514.00	3,347.00
2000 Series - Impact Resistant - IP65				
4 Key (F1,F2,F3,F4)	980-9910	1,594.00	1,454.00	1,392.00
4 Key (↕↔↔↔)	980-9902	1,594.00	1,454.00	1,392.00
12 Key Calc. style	980-9929	2,479.00	2,263.00	2,166.00
12 Key Tel. style	980-9937	2,479.00	2,263.00	2,166.00
16 Key Calc. style	980-9945	3,049.00	2,782.00	2,663.00
3000 Series - General Service - IP64				
4 Key (↕↔↔↔)	980-9953	1,115.00	1,017.00	974.00
12 Key Tel. style	980-9961	1,735.00	1,583.00	1,515.00
16 Key Tel. style	980-9970	2,134.00	1,948.00	1,865.00
4000 Series - Light Duty				
4 Key (F1,F2,F3,F4)	980-9996	780.00	712.00	681.00
12 Key Calc. style	981-0005	1,215.00	1,109.00	1,061.00
12 Key Tel. style	981-0013	1,215.00	1,109.00	1,061.00
Privacy Shroud for 12 way Keypads				
Mounting box for 12 way keypads	986-513	1,710.00	1,643.00	1,590.00
Blank Keys	546-367	1,566.00	1,445.00	1,400.00
1000 series (set of 4)	480-009	418.00	380.00	369.00
2000/3000 series (set of 4)	546-379	126.00	104.00	101.00

Rugged PC Keyboard - IP65 Storm 1100 Series



H=42, W=366, D=155



Alternative mounting configurations

- Rugged polymer/stainless steel design - resistant to abuse or accidental damage
- Tactile key action for rapid and reliable data entry
- Resistant to solvents, detergents and corrosive substances
- High level of protection against dust and water (IP65)
- Compatible with current industry standard PC's
- Supplied with cable assembly with mini DIN plug

Key life >4 million cycles
 Output codes TTL level data with PC compatible codes
 Vibration resistance MIL Stan. 810D. Method 514 3-1 to 3-3
 Shock resistance Designed to MIL Stan. 810D
 Operating temperature -25°C (dry) to +85°C

222309

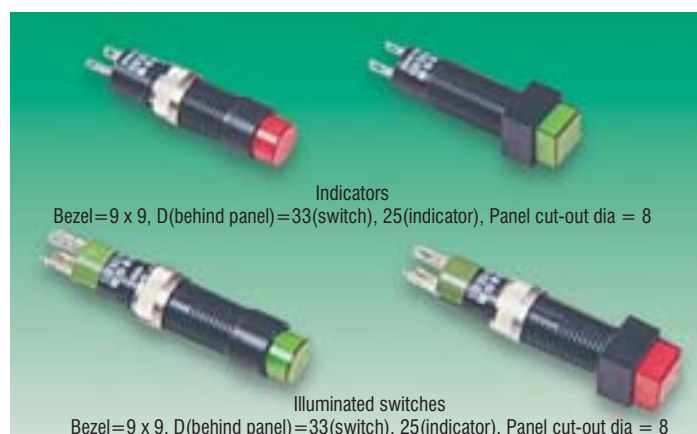
	Order Code	1+	5+	25+
Under panel mounting clips	546-513	1,310.00	1,112.00	1,077.00

Illuminated Push-Button Switches



Miniature 8mm - 19 Series

Illuminated Push Buttons and Indicators



Indicators
 Bezel=9 x 9, D(behind panel)=33(switch), 25(indicator), Panel cut-out dia = 8

Illuminated switches
 Bezel=9 x 9, D(behind panel)=33(switch), 25(indicator), Panel cut-out dia = 8

- SPNO momentary or latching switches with gold or silver contacts
- Round or square bevelled types available, matching lenses
- Matching indicators available
- Switches require T1 bi-pin lamps for illumination

0.8A @ 50V ac or 72V dc
 100mA @ 50V ac 72V dc
 <1.5ms
 <100µs

<50mR
 <15mR
 0.8W
 1000V ac

-25°C to +45°C
 -25°C to +65°C

Note: Lamps must be run with a 20% reduced voltage to prevent excessive heating of the actuator.

224506

Indicator	Mfrs. List No.	Order Code	1+	25+	100+
Round	19-030-005	146-206	98.00	83.00	74.00
Square	19-050-0005	146-207	98.00	83.00	74.00
Switch, Momentary					
Round, silver contacts	19-139-015	146-208	480.00	396.00	350.00
Round, gold contacts	19-431-035	150-583	423.00	349.00	310.00
Square, silver contacts	19-159-015	146-209	480.00	396.00	350.00
Square, gold contacts	19-451-035	150-584	423.00	349.00	310.00
Switch, Latching					
Round, silver contacts	19-279-015	146-210	508.00	419.00	373.00
Round, gold contacts	19-471-035	150-585	442.00	366.00	324.00
Square, silver contacts	19-289-015	146-211	508.00	419.00	373.00
Square, gold contacts	19-481-035	150-586	442.00	366.00	324.00
Square Lens					
Red	19-951-2	146-216	54.00	44.00	42.00
Yellow	19-951-4	146-217	54.00	44.00	42.00
Green	19-951-5	146-218	54.00	44.00	42.00
White	19-951-9	146-219	54.00	44.00	42.00
Round Lens					
Red	19-931-2	146-220	42.00	38.00	35.00
Yellow	19-931-4	146-221	42.00	38.00	33.00
Green	19-931-5	146-222	42.00	38.00	35.00
White	19-931-9	146-223	42.00	38.00	35.00

Prices are in Thai Baht and exclude 7% VAT. Due to the volatile nature of certain products, prices are subject to change without notice.