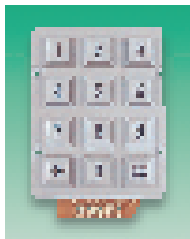


## Keyboards and Keypads — continued

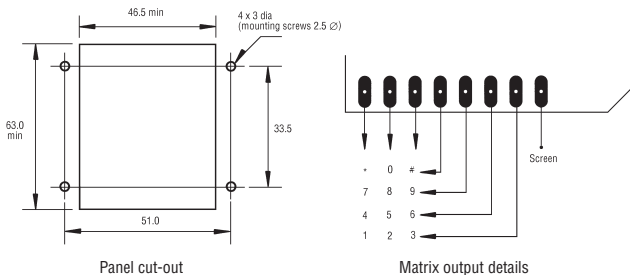
### 12 Key Gold Contact Keypad



- Light grey keyboard with charcoal grey numerals

Contact rating 24V dc 50mA  
 Contact resistance <math><5\Omega</math>  
 Bounce time 10ms  
 Operating temperature  $0^{\circ}\text{C}$  to  $50^{\circ}\text{C}$   
 Operational life 1 million

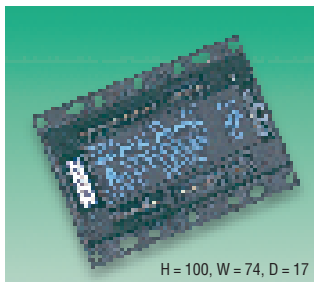
H = 81, W = 56, D = 14.6



SW309

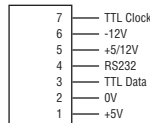
Order Code	Price Each		
	1+	10+	50+
.176-705			

### Universal Keypad + Keyboard Encoder



- No assembly or programming required
- Reads up to 90 individual keys
- Interfaces with IBM® XT, AT or ASCII keyboards
- Will drive 2 LEDs for caps/num lock and power

#### Input/Output Socket



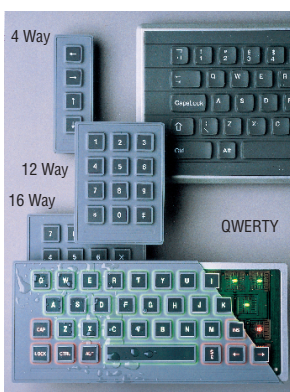
Key inputs Maximum 90 in an 8 12 matrix, max. 1000 $\Omega$  and 20ms bounce.  
 Serial outputs PC - TTL data clock, (ASCII) TTL and RS232 data.  
 Data format PC XT or AT, ASCII 7 or 8 data bit, odd, even or no parity.  
 Baud rate PC - approx. 21K baud. ASCII - 1200, 2400, 4800 or 9600 baud.  
 Mode selection Via 8 way DIL switch.  
 Power supply +5V at 130mA for PC mode. Additional  $\pm 12\text{V}$  required for RS 232 output.

NOT SUITABLE FOR USE WITH THE STORM 800 SERIES KEYBOARDS

SW310

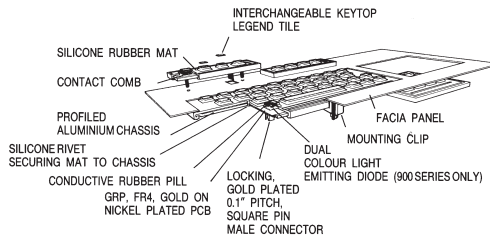
Order Code	Price Each			
	1+	5+	10+	25+ 50+
.177-687				

### Sealed and Rugged Keypads – IP67



- Excellent tactile characteristics
- Interchangeable legends fit into recess in keys
- Dual LEDs allow red or green illumination of any key
- 0.1" gold plated connectors (compatible with Molex KK range)
- Six legend tile sets available, for information see legend tile character library
- Comprehensive instructions supplied

QWERTY H = 96, W = 217, D = 8  
 12 Way H = 96, W = 70, D = 8  
 16 Way H = 96, W = 96, D = 8  
 4 Way H = 96, W = 32, D = 8



Operating voltage 24V max. Keytop travel 1.5mm nominal  
 Operating current 50mA max. Actuation force 160g typ.  
 Breakdown voltage 500V max. Environ sealing **BS5490 IP67**  
 Insulating resistance 50M $\Omega$  Illuminated keypads only:  
 Contact resistance 100 $\Omega$  max. LED drive current 20mA typ. 25mA max.  
 Contact bounce 5ms max. LED drive voltage (single diode) 3.3V typ.  
 Operational life to  $70^{\circ}\text{C}$  2 million cycles LED drive voltage (double diode) 2.2 V typ.  
 Material: Keypad surface Engineering grade silicone rubber.  
 Keypad chassis Anodised aluminium  
 Operating temp. range  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$  (700 Series)  
 $-25^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$  (900 Series)

SW311

Non-illuminated	Mftrs.		Price Each		
	List No.	Order Code	1+	10+	50+
Grey, 4 way	70040101	.206-830			
Black, 4 way	70040201	.206-842			
Grey, 12 way	70120101	.206-854			
Black, 12 way	70120201	.206-866			
Grey, 16 way	70160101	.206-878			
Black, 16 way	70160201	.206-880			
QWERTY, Grey	70360101	.206-891			
QWERTY, Black	70360201	.206-908			
<b>Illuminated</b>					
Keypad, 4 way	90040101	.207-032			
Keypad, 12 way	90120101	.207-044			
Keypad, 16 way	90160101	.207-055			
Keypad, QWERTY	90360101	.207-068†			
<b>Rear Panel Mounting Kits</b>					
4 way	7004CL01	.207-524			
12/16 way	7012CL01	.207-536			
<b>Keypad Legend Tiles</b>					
<b>Non-Illuminated</b>					
Set A		.207-275			
Set B		.207-287			
Set C		.207-299			
Set D		.207-305			
Set E		.207-317			
Set F		.207-329			
<b>Illuminated</b>					
Set A		.207-354			
Set B		.207-366			
Set C		.207-378			
Set D		.207-380			
Set E		.207-391			
Set F		.207-408			

†Available until stocks are exhausted

### General Purpose Illuminated Keypads



These field proven keypads are ideal for use in a wide range of industrial and commercial applications. Integrated illumination of keytops and keytop characters make these responsive data entry keypads suitable for use in dark or subdued lighting conditions.

- Integrated LED illumination of keytops and keytop characters
- Keytop colours and graphic(s) that can be configured to suit almost any application
- Rugged, reliable and responsive key action
- Sealed against water and dust to IP54 specification
- 4, 12 and 16 key formats
- Can be fixed to a flat surface or under panel mounted for a flush, low profile installation.