

# • Reliable data entry in outdoor or

- Reliable data entry in outdoor or indoor locations
- High contrast keytops with integral white light LED illumination
- Robust construction for use in extreme, wet or dirty environments
- Responsive tactile keys

C

• 4, 12 and 16 key formats

## **3000** SERIES Illuminated Keypads

A

B

3

6

9

2

3

0

CE

FI

6

9

4

2

5

8

Responsive, illuminated keypads for low-light applications



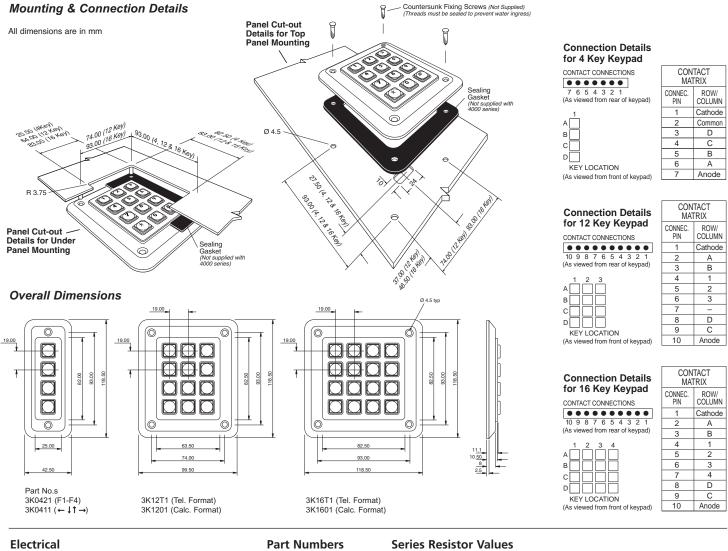
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## **3000 Series Illuminated Keypads** for low-light applications

Storm 3000 Series Illuminated Keypads are ideal for use in dark or dimly lit applications. They are constructed to survive in exposed, wet or dirty environments. Available in 4, 12 and 16 key configurations, these robust keypads can be fixed to the surface of a host enclosure or located beneath an aperture in a panel. Keys move with a positive "over-centre" action to provide a responsive tactile dynamic and reliable data entry. This excellent tactile response combined with a home pip and high contrast keytop characters make these illuminated keypads accessible for those with visual impairment.



#### Contact Bounce Contact Resistance

Insulation Resistance Breakdown Voltage **Operating Voltage Operating Current** 

#### 5ms (max) 100 ohms (max) 50 Mohms (min) 500V AC (max 60 secs.) 24V DC (max) 50mA (max)

-10°C to +85°C (Dry)

#### Mechanical

**Operational Life** 2 million cycles (min) per key Keytop Travel 1.4mm nominal Actuation Force 180gms nominal Connector 0.1" pitch, gold plated square pin, male connector

#### **LED Specification**

White Backlight current limited to n x 20mA @Vf Vf = 3.5V (typical), 4.2V (max) Reverse voltage, Vr = 5V (max)

#### Environmental

Water / Dust Sealed					IP54 (when mounted
					to suitable enclosure)
~					

**Operational Temperature** 

#### Material

Casing General Service Polymer (black) Keytops General Service Polymer (translucent) Contact Circuit Gold on Nickel Plated FR4

3KLW04110[x] 4 Key Pad – Cursor 3KLW04210[x]

4 Key Pad - Function 3KIW12010[x]

12 Kev Pad – Calculator

3KLW12T10[x] 12 Key Pad – Telephone

3KLW16010[x]

16 Key Pad – Calculator 3KLW16T10[x]

16 Key Pad – Telephone

### Accessories

4200-00[x] RS232 Encoder Interface

Use correct resistor to prevent damage to LEDs

4 way Connect +V via Series Resistor to Pin 7				12 way Connec to Pin 1	t +V via	Series R	esistor	16 way Connect +V via Series Resistor to Pin 10			
applied voltage	series resistor (ohms)	min resistor wattage	nominal current per led (mA)	applied voltage	series resistor (ohms)	min resistor wattage	nominal current per led (mA)	applied voltage	series resistor (ohms)	min resistor wattage	nominal current per led (mA)
12	110	0.75	19	12	36	2.20	20	12	27	3.00	20
10	82	0.75	20	10	27	2.00	20	10	20	2.50	20
9	68	0.50	20	9	24	1.50	19	9	18	2.00	19
7.5	51	0.50	20	7.5	18	1.00	19	7.5	13	1.50	19

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3KLW-LIT-01 Rev 2 Feb 2013

FM 39602

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