

<b>Order code</b>	<b>Manufacturer code</b>	<b>Description</b>
78-0296	5001-200102	DISPLAY BEZEL 5000 SERIES WITHOUT LCD(RC
78-0297	5001-200202	DISPLAY BEZEL 5000 SERIES 20X4 LCD(RC)

	Page 1 of 2
The enclosed information is believed to be correct, Information may change without notice due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 20/02/2007

## SPECIFICATIONS

Responsive menu navigation and option select keys

Matrix Output to 0.1" square pins ..... compatible with Molex KK Housing  
 Overall Size ..... 110 mm wide x 88 mm high  
 Vandal Resistant ..... 10J BS EN 60068-2-75:1997  
 Weather sealed for Outdoor Use

Panel Mount Gasket included.

Responsive key action.....  
 Panel Cutout .....  
 Operating Temp .....  
 Switch Rating .....  
 Contact Resistance .....

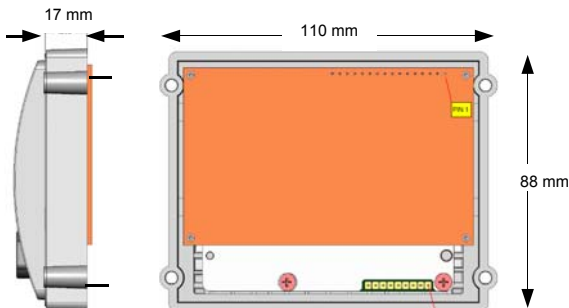
travel 1.5 mm (nominal), force 130 gm (nominal)  
 96 mm x 81 mm  
 -20°C to +60°C  
 24 V dc (Max), 50 mA (Max)  
 100 Ohms (Max)

Optional backlit 4 line x 20 character LCD ..... Powertips PC2004-A-LRU-H  
 fitted with a single row of 16 0.1" square pins  
 LCD Operating Voltage +5V to +9V (see note \*)

### UNIT WITH LCD FITTED

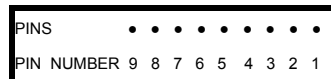


Position 1	Position 2	Position 3
R1C1	R1C2	R1C3



### MATRIX KEYPAD CONNECTIONS

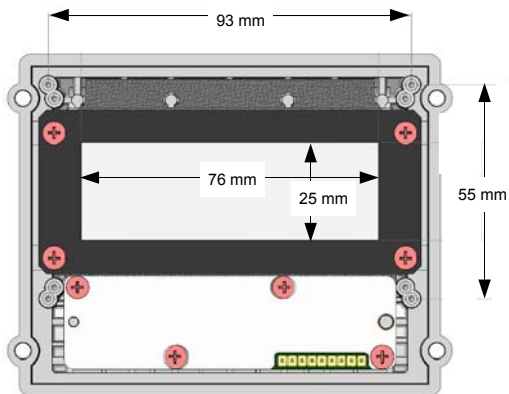
CONTACT CONNECTIONS (REAR VIEW)



CONTACT MATRIX

PIN	ROW / COLUMN
7	C1
6	C2
5	C3
3	R1

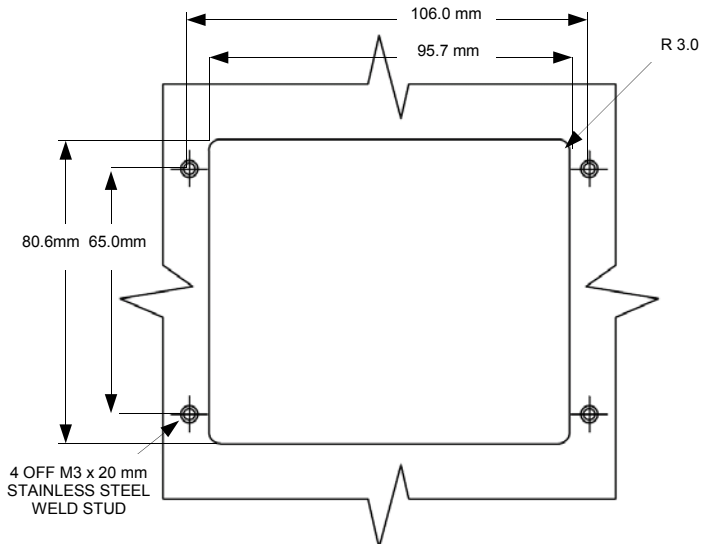
### REAR VIEW (NO LCD)



WINDOW VIEW AREA IS 76 x 25 mm  
 LCD MOUNTING CENTRES AT 93 mm x 55 mm

TO SECURE LCD USE PLASTITE TYPE SCREW, M1.8 THREAD OR EQUIVALENT

### HOST PANEL CUTOUT



RECOMMENDED PANEL MATERIAL 1.6 OR 2.0 mm STAINLESS STEEL . TOLERANCES ± 0.5mm

### INSTALLATION

1. Prepare host panel and connection cable(s). For keypad use Molex 2695 Connector 5 way (PN22-01-2051) or 9 way (PN 22-01-2091). For LCD use PN 22-01-2161
2. Fit the supplied gasket over the 4 weld studs on the rear of the host panel.
3. Slide the display bezel over the studs and secure with M3 Nyloc Nuts or similar.

### ORDERING DETAILS

Stock No	Item
5001-20010[X]	DISPLAY BEZEL 3 KEY
5001-20020[X]	DISPLAY BEZEL 3 KEY WITH 4 X 20 CHARACTER DISPLAY

[x] denotes packaging variant

**Note\* Contrast Adjustment on Wide Temperature Range LCD**  
 The operating voltage must rise as temperature lowers or the contrast will degrade. Conversely, the operating voltage must fall as the temperature rises or the contrast will degrade.

A temperature compensation circuit is required to control the contrast adjustment voltage on this unit. A -ve DC supply to Pin 3 is required for the contrast adjustment

Note that standard (rated 0°C to 50°C) Powertip LCDs available on the market does not require the -ve DC supply for contrast adjustment.

For Connection Information for LCD see :  
 Powertip PC 2004-A Datasheet for 4 x 20 Character LCD



UK Office :  
**14 Bentinck Court,**  
**Bentinck Road,**  
**West Drayton, UB7 7RQ**  
 Tel: +44 (0)1895 431421  
 Fax: +44 (0)1895 431132  
 Email: sales@storm-interface.com

USA Office :  
**Suite 110 @ 600 Enterprise Drive**  
**Oakbrook, Illinois 60523**  
 Tel: (630) 472 5360  
 Fax: (630) 472 5364  
 Email: sales.usa@storm-keypads.com  
 www.storm-interface.com



FM39602