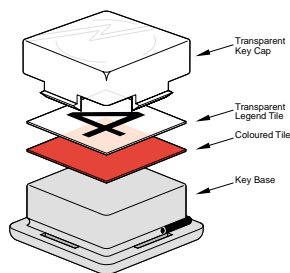
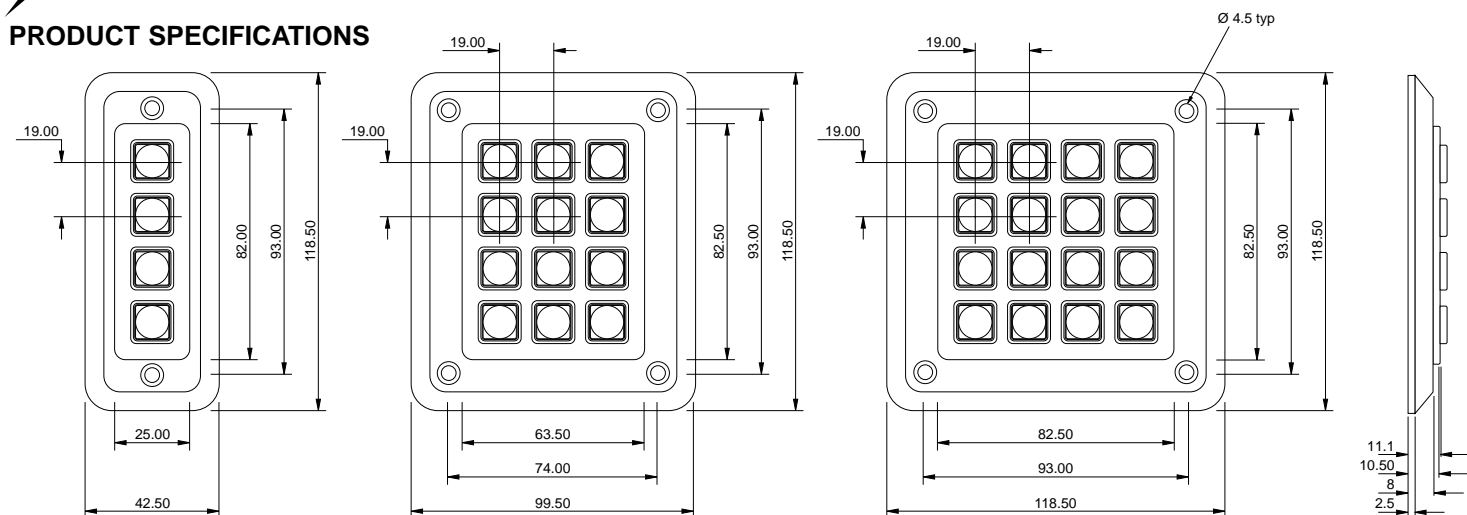


PRODUCT SPECIFICATIONS



GFX-Illuminator SERIES

Keytop Assembly Instructions

Illuminated Series keypads are supplied with the key bases fitted. Each key position can be customised without dismantling the keypad. Keytop options can be selected from a library of standard symbols, characters or background colours. Alternatively, customised keytop graphics can be created using laser printed acetate film or screen printed polymer film. The total thickness of the coloured tile and legend tile should not

exceed 0.4mm. (Please note, paper is not recommended as the printed graphics may degrade if exposed to moisture / condensation.)

- 1 Orientate the keypad correctly by checking the connector position on the underside of the keypad.
- 2 Load each key position in turn. First locate the legend tile into the transparent key cap, then locate the transparent coloured tile (see diagram).

Before snapping the transparent key cap, (including legend and coloured tile) into position, ensure that the legend tile's position, orientation and alignment are correct.

Please note, if it is necessary to remove the transparent key cap a suitable tool or pliers should be used. Once removed the key cap should not be re-used; spare key caps and bases are available in sets of 4, part number GS0000.

Vandal Resistant Impact Resistant IP Rating Key Life (cycles) Service Temp. (non condensing) Case Material Case Colour Contact Materials Contact Bounce Contact Resistance Insulation Resistance Breakdown Voltage Operating Voltage (contacts) Operating Current (contacts) Keytop Travel Actuating Force Connector	VR Yes Yes Up to IP67 > 4 Million -40°C to +100°C Chromed zinc Silver Carbon/Gold 5ms 100 ohms (max) 50 Mohms (min) 500 V (60 secs) 24V dc (max) 50 mA (max) 1.4mm (nominal) 180gm (nominal) 0.1" Pitch, gold plated square pin, male with locking ramp	GFX No No Up to IP54 > 2 Million -10°C to +75°C Super impact polymer Black Carbon/Gold 5ms 100 ohms (max) 50 Mohms (min) 500 V (60 secs) 24V dc (max) 50 mA (max) 1.4mm (nominal) 180gm (nominal) 0.1" Pitch, gold plated square pin, male
White Back Light Power Requirement	N/A	Current limited to $n \times 10\text{mA} @ V_f$ n = Number of keys $V_f = 3.5\text{V}$ (typical) 4.2V (max) Reverse voltage, $V_r = 5\text{V}$ max
Red Back Light Power Requirement	Current limited to $n \times 20\text{mA} @ V_f$ n = Number of keys $V_f = 1.8\text{V}$ (typical) 2.6V (max)	Current limited to $n \times 20\text{mA} @ V_f$ n = Number of keys $V_f = 1.8\text{V}$ (typical) 2.6V (max)
Green Back Light Power Requirement	Current limited to $n \times 20\text{mA} @ V_f$ n = Number of keys $V_f = 2.2\text{V}$ (typical) 2.6V (max)	Current limited to $n \times 20\text{mA} @ V_f$ n = Number of keys $V_f = 2.2\text{V}$ (typical) 2.6V (max)

FM 39602