

# Keypad Structure

Graphic to be sub-surface printed in the colours required depending on variant type.

Double sided adhesive polyester 'picture frame' gasket continuous seal required around the edge of the graphic rear. To be the same thickness as the membrane layers. Suggested 2.5mm wide with 0.5 mm clearance gap to membrane edges.

A 6 - way 0.1 inch ( 2.54mm ) pitch 'crimpflex' connector is to be crimped to the end of the circuit tail.

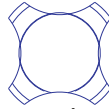
A Di-Electric film should be printed onto the tail area of the membrane to protect the printed silver circuit.

Surface mount Red LED to be 'silver soldered' to the pads on the membrane circuit. Ensure correct polarity orientation. To prevent LED from becoming loose it may be expedient to secure it with additional transparent glue.

Ensure there is no adhesive on the termination tail of the lower membrane as indicated by Dome spacer and Adhesive profile.

200 micron thick velvet texture polyester Graphic (Autotex V200L) to have circular pillow embossed keys within the inner 0.5mm outlines. LED window is also pillow embossed. Profiled to graphic tool.

225 micron thick Dome Spacer ( pre - profiled to tool) to be adhered to the printed silver side of the Membrane prior to re-profiling to membrane definition tool. The chambers allow for 12.2 dia 'square' type tactile domes to be inserted prior to lamination of Graphic to sub-assembly.



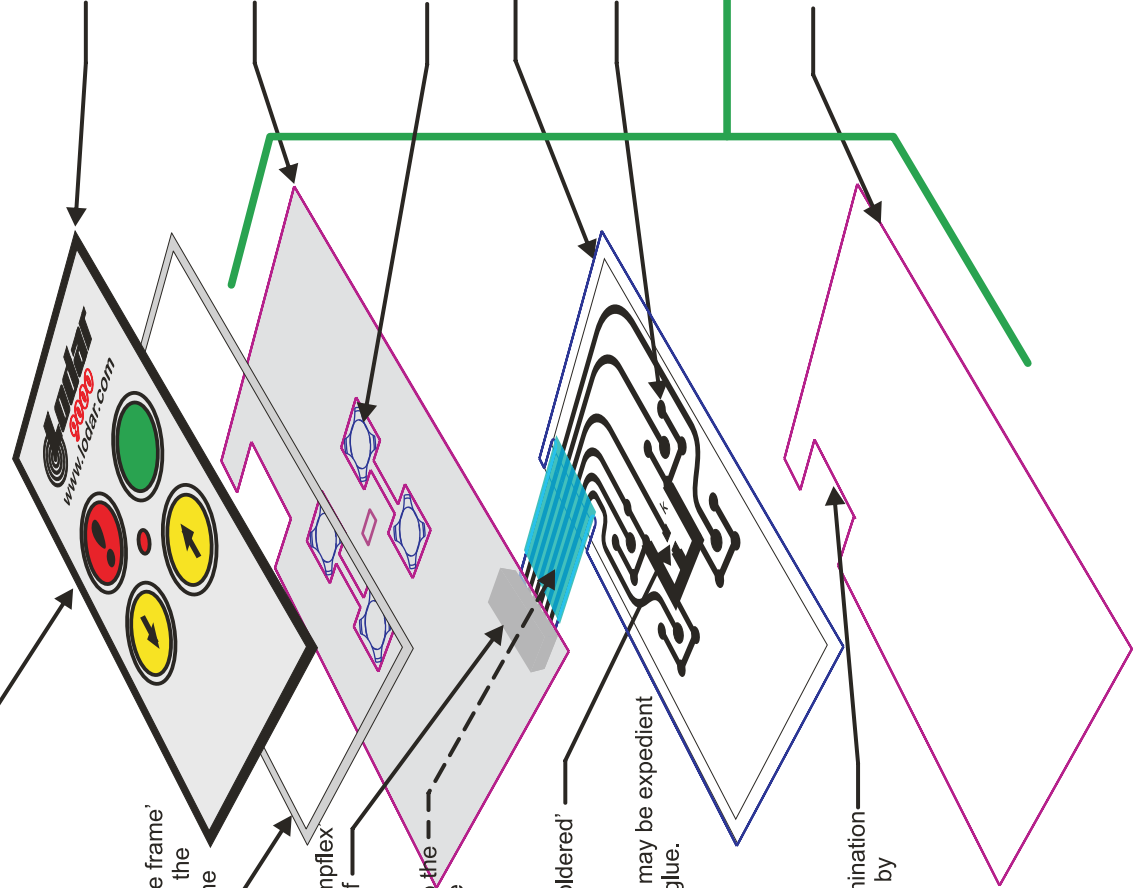
Suitable type tactile dome is 'Nicomatic N12.2-4-LEG-340'.

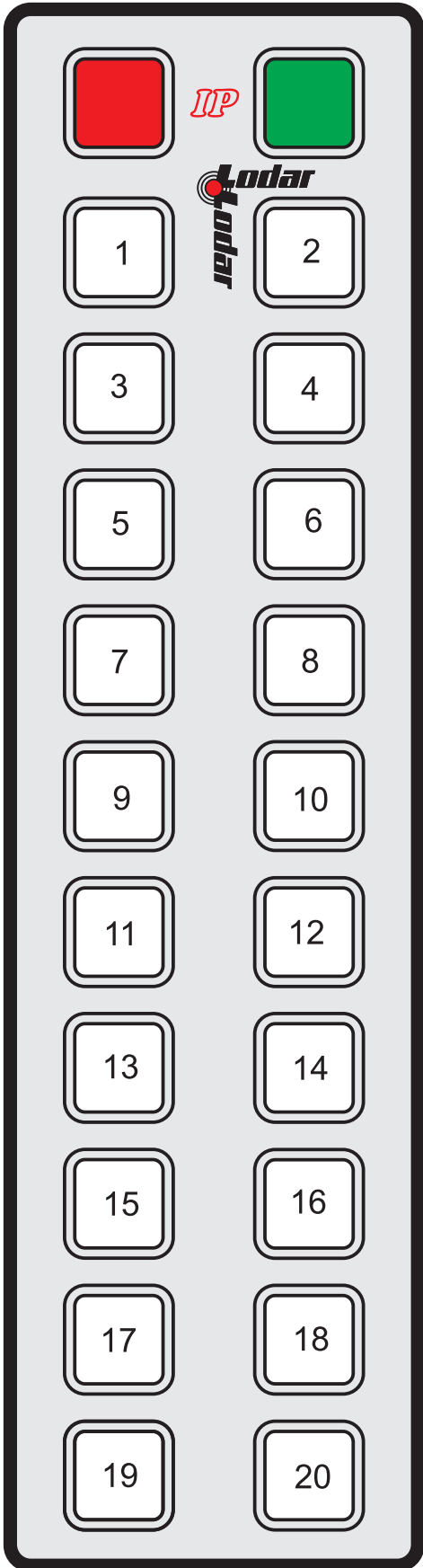
125 micron thick transparent polyester with silver circuit printed on the top side as shown. To be profiled to membrane definition tool when sub-assembly complete.

It is recommended to print graphite pads over the five silver pads of each key position to prolong keyboard life by delaying wear-through.

Sub-Assembly to be profiled to membrane definition tool.

A suitable adhesive about 100 microns in thickness is to be laminated to the bottom side to facilitate the adhering of the keyboard assembly to associated equipment. To be profiled to membrane definition tool when sub-assembly complete.

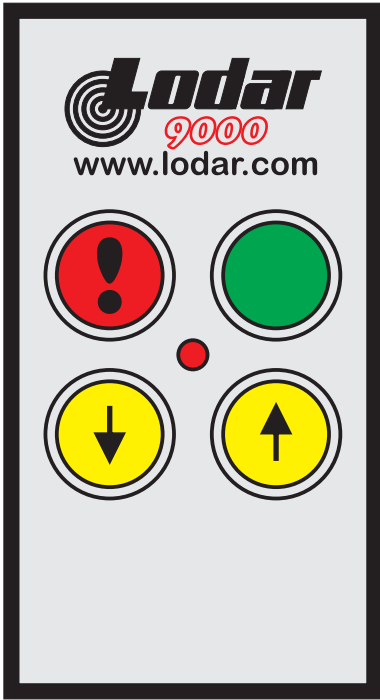




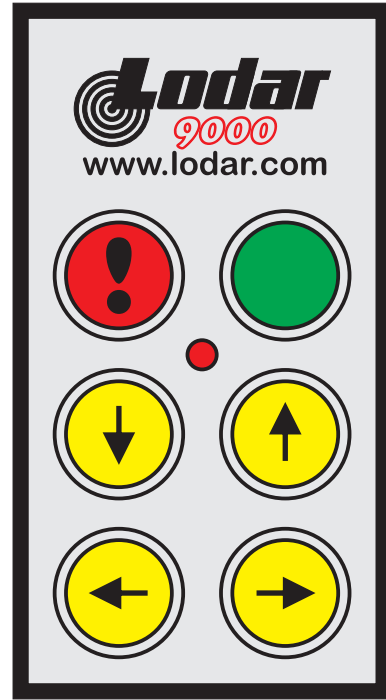
## Keypad numbering

Lodar keypad functions are related to their receiver outputs as shown here. Top left button is function 1, Top right button is function 2 etc., finishing at bottom right which is function 20.

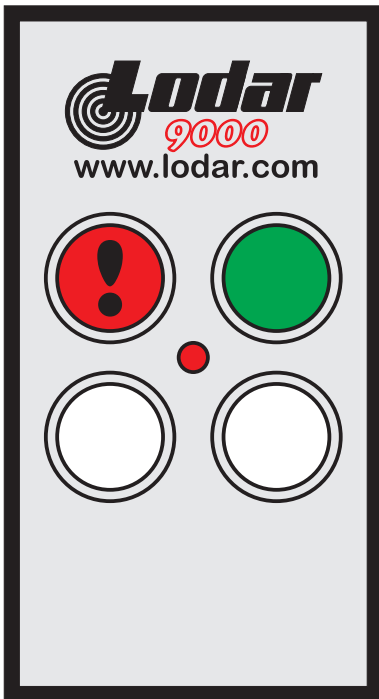
All keypads follow this convention.



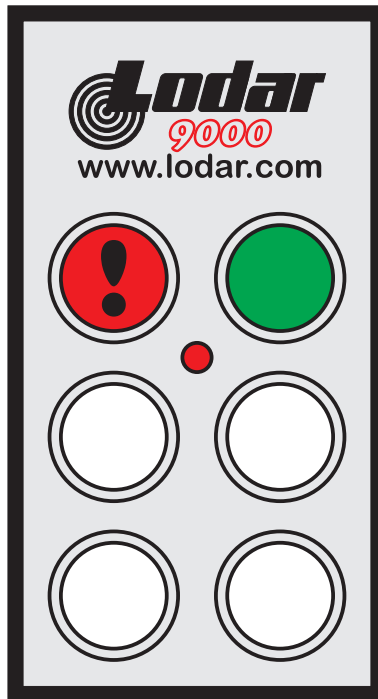
Standard Keypad for 92 1 02TX  
and 93 1 02TX



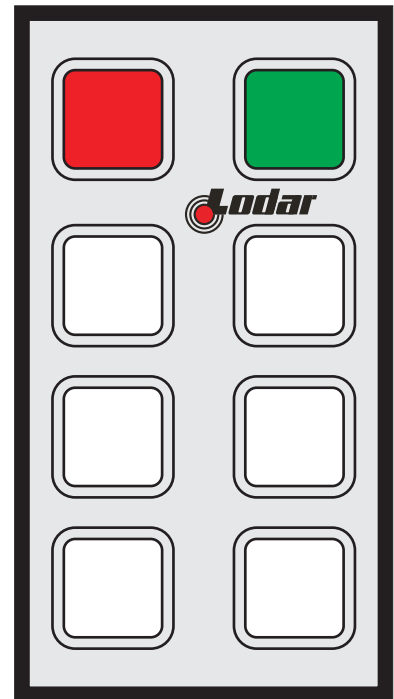
Standard Keypad for 92 1 04TX  
and 93 1 04TX



Custom Keypad  
92 1 02TX CUS  
and 93 1 02TX CUS  
This keypad has pockets for  
inserting special Legend

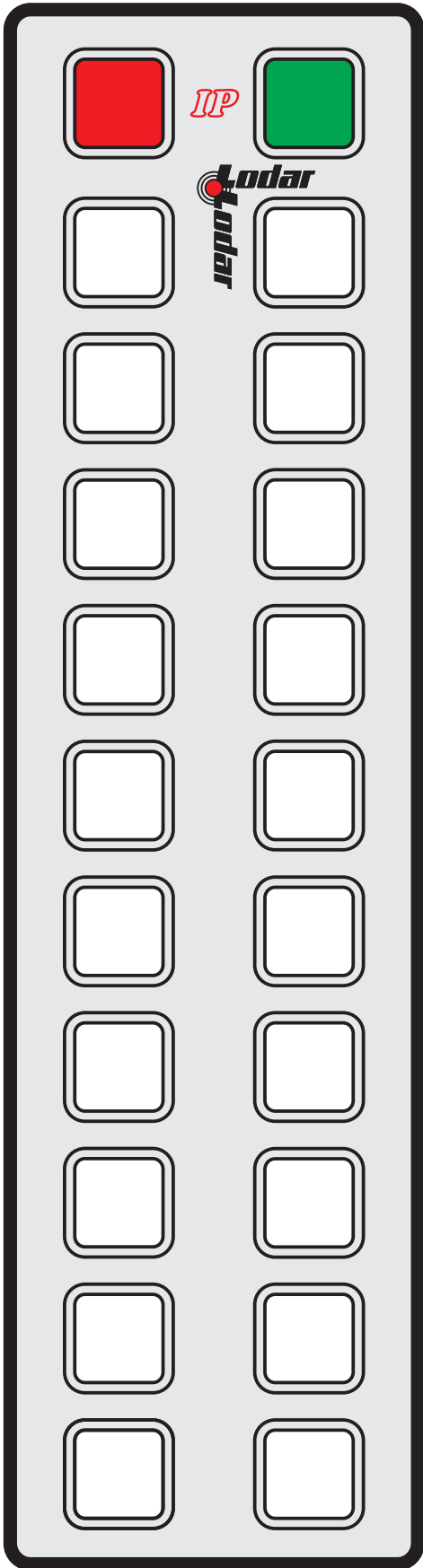


Custom Keypad  
92 1 04TX CUS  
and 93 1 04TX CUS  
This keypad has pockets for  
inserting special Legend

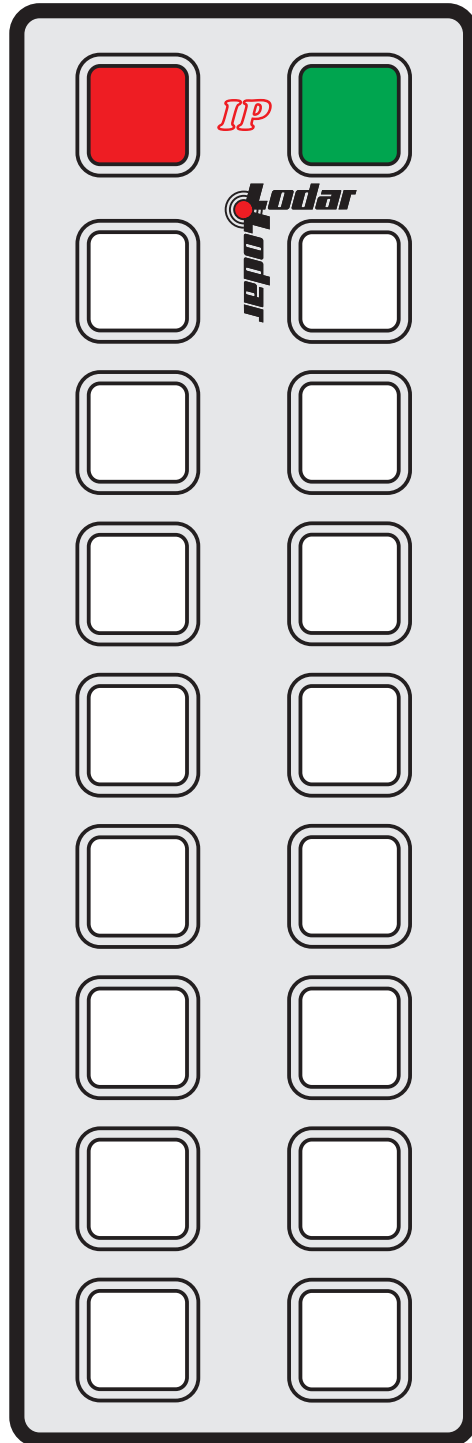


Keypad 92 1 06TX  
and 93 1 06TX  
This Keypad has pockets for  
inserting special Legend

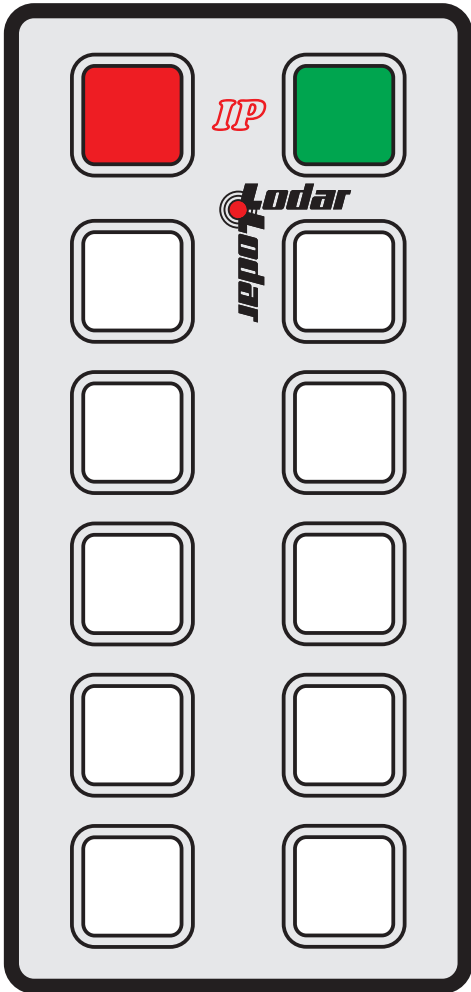
92 2 20TX



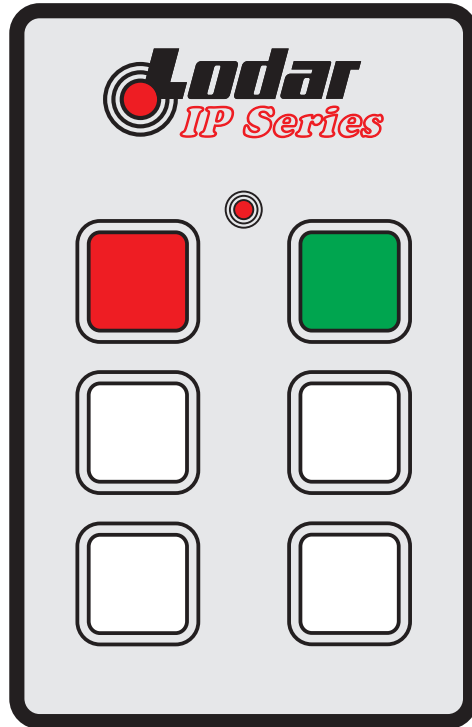
92 2 16TX



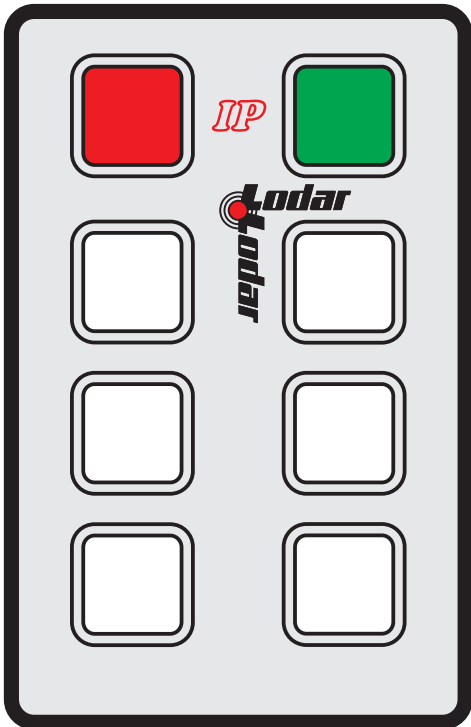
92 210TX



Proposed 92 2 04TX



92 2 06TX



Proposed 92 2 02TX

