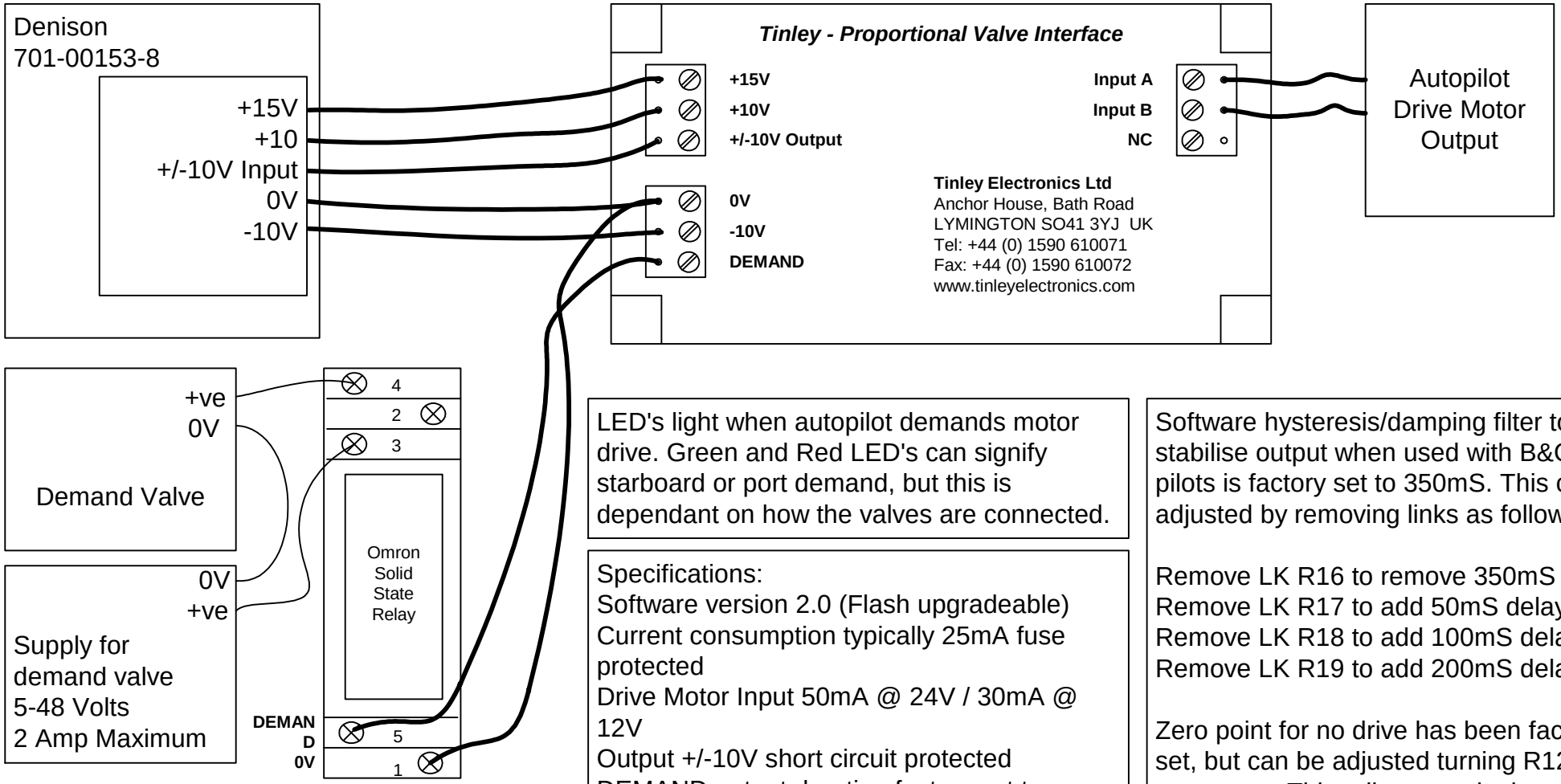
'Proportional Valve Interface' Installation Diagram



LED's light when autopilot demands motor drive. Green and Red LED's can signify starboard or port demand, but this is dependant on how the valves are connected.

Specifications:
Software version 2.0 (Flash upgradeable)
Current consumption typically 25mA fuse protected
Drive Motor Input 50mA @ 24V / 30mA @ 12V
Output +/-10V short circuit protected
DEMAND output duration factory set to 350mA adjusts in line with hysteresis/ damping adjustment. Current is limited to drive an opto input (5V 1k ohm)

Software hysteresis/damping filter to stabilise output when used with B&G ACP pilots is factory set to 350mS. This can be adjusted by removing links as follows:

Remove LK R16 to remove 350mS delay
Remove LK R17 to add 50mS delay
Remove LK R18 to add 100mS delay
Remove LK R19 to add 200mS delay

Zero point for no drive has been factory set, but can be adjusted turning R12 if necessary. This adjustment is dependant on the Denison PCB

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