



OPERATION

CISTERN FILLING IS VIA NORMALLY CLOSED SOLENOID VALVE CONTROLLED BY "SOL 1" LEVEL CONTROLLER. THE RELAY ENERGISED LED ILLUMINATES WHEN THE SOLENOID IS POWERED. THE SOLENOID OPENS ONCE THE WATER HAS DROPPED BELOW THE "SOL 1 ON" ELECTRODE AND CLOSES ONCE THE "SOL 1 OFF" ELECTRODE IS SUBMERGED.

THE PUMP IS CONTROLLED BY A PRESSURE SWITCH, RUN-ON TIMER AND LOW LEVEL "PUMP" CONTROLLER. THE "PUMP" CONTROLLER CUTS POWER TO THE PUMP WHEN THE CISTERN IS ALMOST EMPTY. THE LED ILLUMINATES WHEN THE "PUMP STOP" ELECTRODE IS EXPOSED - THE PUMP STOPS. THE PUMP RESTARTS ONCE THE "PUMP RESTART" ELECTRODE IS SUBMERGED. ONCE THE PRESSURE VESSEL IS RECHARGED, THE PRESSURE SWITCH OPENS AND THE RUN-ON TIMER CONTINUES POWERING THE PUMP FOR THE SELECTED PERIOD - NORMALLY 3 MINUTES. ANY DRAW-OFF CAUSING THE FILLING SOLENOID TO OPERATE, RESETS THE RUN-ON PERIOD.

OPTIONAL - PULSE TIMER, OPERATES THE PUMP FOR 1 SEC EVERY 24 HOURS TO AVOID PUMP SEIZURE / HIGH ALARM FLOAT SWITCH / FROST STAT RUNS PUMP / OPTIONAL GRP DRIP TRAY WITH FLOAT SWITCH.

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TITLE: **BT WIRING DIAGRAM FIXED SPEED**

DRN: SHG CHECKED BY: DATE: ©2010

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MATERIAL: CARD 160 g/sqm

FINISH: LAMINATED SCALE: 100%

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