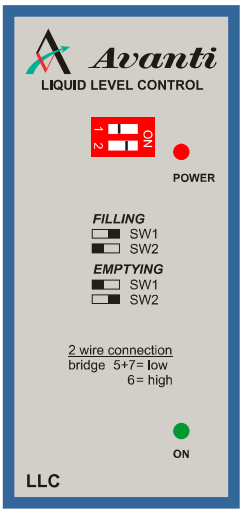
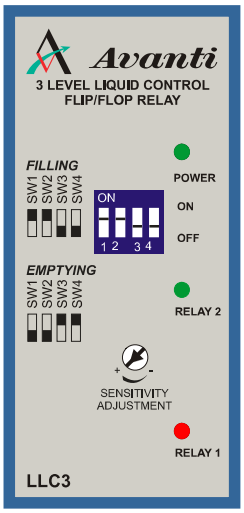
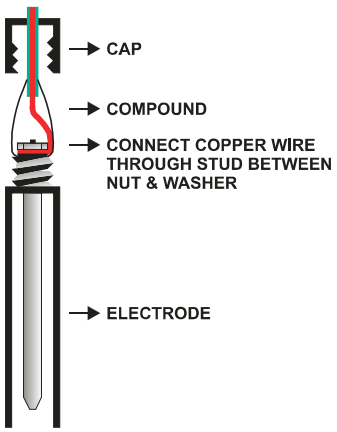
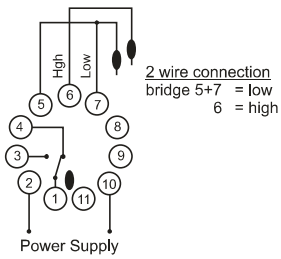
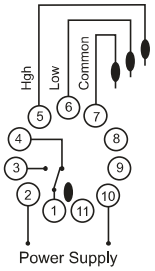
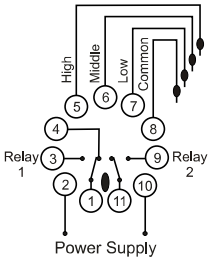
MODEL	LLC	LLC3	AEL
			
FUNCTION(S)	**Liquid Level Control** "Filling & Emptying" DIP Sw Selectable	**3 Level Liquid Level Control** "Filling & Emptying" with duty cycling DIP Sw Selectable	**Avanti Electrode**
DESCRIPTION OF OPERATION	Used in conjunction with 3 conductive probes connected to terminals 5 (high), 6 (middle/low) and 7 (bottom/common). Filling: When the liquid drops below the middle probe, the relay energises. The relay remains energised until the level reaches the high level probe and then de-energises. Emptying: When the liquid rises above the high probe, the relay energises. The relay de-energises when the liquid falls below the middle probe. Sensitivity - 50k Use Avanti AEL hanging probes.	Used for control of water levels in tanks and sumps over short distances. The LLC3 controls 2 pump relays operated at different levels for "Duty" and "Standby" operation. The unit automatically alternates the pump relays between duty and standby using a built in flip-flop action. There are 4 DIP switches available to select emptying or filling. **Filling:** Sw 1+2 - ON (up position) Sw 3+4 - OFF (down position) **Emptying:** Sw 1+2 - OFF (down position) Sw 3+4 - ON (up position) **Avanti AEL probes:** connected to the terminals: 5 - "High" 6 - "Middle" 7 - "Low" 8 - "Common" Filling: If the level is below probe 7-"low" both relays will energise and when the level reaches probe 5-"high" both relays will de-energise. When the level drops below probe 6-"middle", relay 1 will energise and de-energise when the level reaches probe 5-"high". The next on cycle with probe 6-"middle"out of water, relay 2 will energise (alternating relays). If the level continues to fall and goes below probe-7-"low", both pumps will energise and only de-energise when probe 5-"high" is reached (all probes in the water). Emptying: When a rising level reaches probe 6-"middle", relay 2 energises and de-energises when probe 7-"low" is reached. On the next rising level to probe 6-"middle" relay 1 will energise (alternating). If the level continues to rise and probe 5-"high" is reached, both relays will be energised (duty & standby) and when the level reaches probe 7-"low", both relays will de-energise.	**Installation Instructions** 1) Strip PVC wire 25mm long. 2) Feed cover/cap onto wire. Large threaded opening facing stripped end. 3) Connect copper wire through stud hole, between nut and washer. **Do not** wind around stud and ensure copper wire tip does not extend past edge of washer. 4) Cover connection and exposed copper with compound. Ensure compound extends in conical shape 25mm up the wire. 5) Screw on cap. Use extruded excess compound to seal wire inlet. (Sealing compound supplied with probe).
CONTROLS AND LABEL DATA			
WIRING DIAGRAM	LLC 	LLC 	LLC3 
VOLTAGE	230V,400V AC		
PRICELIST	***Click here for the PRICELIST***		

All Prices Exclude VAT and are subject to change without prior notice.