

INSTRUCTIONS

INTRODUCTION

The TANK LEVEL CONTROL or TLC uses sensor inputs to monitor the level in a water tank or dam. When the water level changes the TLC sends a radio control signal to the Pump Control Unit (PCU) to switch the pump on or off.

INSTALLATION

The TLC is normally powered by long-life lithium batteries but can optionally be supplied from an external 12V DC or 24V AC supply if available. The unit can be used either with a float switch or with up to 4 different level probes. When operated with multiple probes the TLC is capable of switching a total of 4 pumps – one pump per level probe. The TLC has a standard BNC antenna connector to which a rubberduck antenna is fitted as standard. For longer range applications this may be replaced with an external dipole or directional antenna

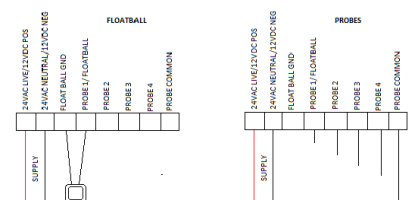
Connection of TLC'S

TLC'S CAN ONLY BE PAIRED WITH PCU'S.

Using a small number 0 common screwdriver, insert the wiring as needed, into the supplied connectors.

24VAC/12VDC		PROBE CONNECTIONS					
L	N	GND	1	2	3	4	PC

THE TLC CAN NOT BE POWER FROM AN EXTERNAL 12VDC OR 24VAC, WHILE AN INTERNAL 3.6V BATT IS FIITED



Programming of TLC'S

Fit the rubber-duck antenna to the antenna connector of the Tank Level Controller. Ensure that the PCU is powered up and has its antenna connected (refer to the PCU Installation & User Guide if necessary).

- Place the Pump Control Unit into Learn mode by pressing the Learn Mode button on the Pump Control Unit (PCU). The Learn Mode light will illuminate red to indicate that the PCU is in Learn Mode. (If the Learn Mode button is pressed again then the PCU will exit Learn Mode).
- On the Tank Level Controller press and hold the appropriate Pump button for about 10 seconds e.g. If the Pump Control Unit is controlling Pump Number 1 then press and hold the Pump1 button, if the Pump Control Unit is controlling Pump Number 2 then press and hold the Pump2 button etc.
- The Tank Level Controller will then send a Learn transmission to the PCU. The PCU indicates that it has accepted the Learn transmission by switching off the red Learn Mode light and exiting Learn Mode.

Status lights at each pump button on the TLC: Green – Automatic on, Red+Green – Manual on, Red – Manual off.