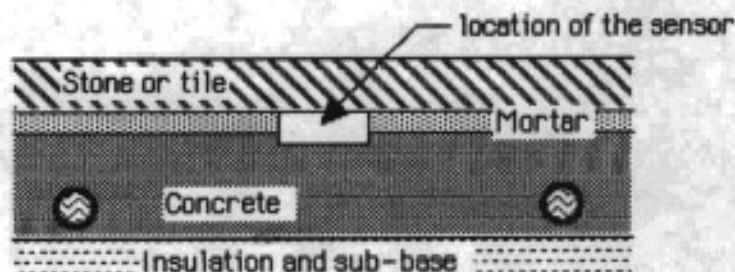


The swimming pool deck unit is a special type of room temperature unit (RTU) which measures the temperature of the pool deck rather than the air temperature of the room. This approach minimizes interaction of the radiant floor heating system with the dehumidification system. A special outdoor air temperature sensor is also required so that the control keeps the floor warm during summer weather.

The pool deck unit is delivered with two floor temperature sensors. Only one sensor will be attached to the unit, the other is a spare in case the wire to the first one is damaged during installation. The sensors are embedded in the floor between the heating pipes as shown below. The sensors should be approximately 1 meter away from the edge of the pool and in a walkway area, but not near a door / window or under some furniture. The floor should be sloped so that a puddle doesn't form above the sensor, otherwise the evaporating water will cool that small floor area and the control will compensate by increasing the temperature of the whole slab.

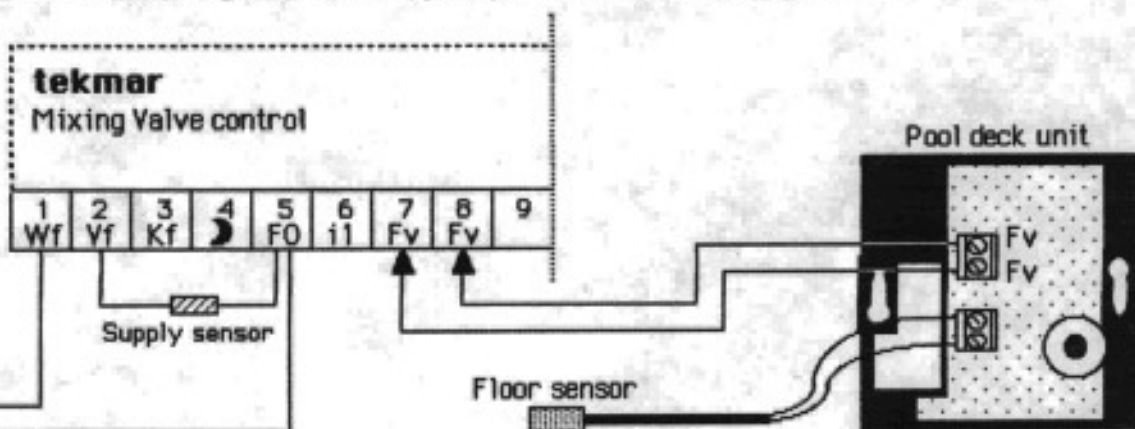
Scope of supply, type 302

- Pool Deck Unit
- 2 x Floor temperature sensors
- Special outdoor temperature sensor



Utilizing a wide blade screwdriver, gently lift the adjusting dial off the front of the pool deck unit. (The dial is a friction fit.) The brown cover can now be removed from the black base. Fasten this base to the wall by two screws and connect a two-conductor cable from Fv & Fv of the pool deck unit to Fv & Fv of the control socket. With an ohmmeter check that the resistance of the floor sensor is approximately 2000 Ω . The sensor can then be connected to the other two terminals in the pool deck unit. Replace the brown cover and carefully push the adjusting dial onto its shaft. The heating curve of the Mixing Valve control should be in the range 0.15 to 0.60, often at 0.40. The heating curve starting temperature should be set at 20°C.

Special outdoor temperature sensor



tekmar Control Systems, Ltd.
Site 15, Comp. 27, RR #6
Vernon, B.C. CANADA V1T 6Y5

(604) 545-7749 Telex 048-85384