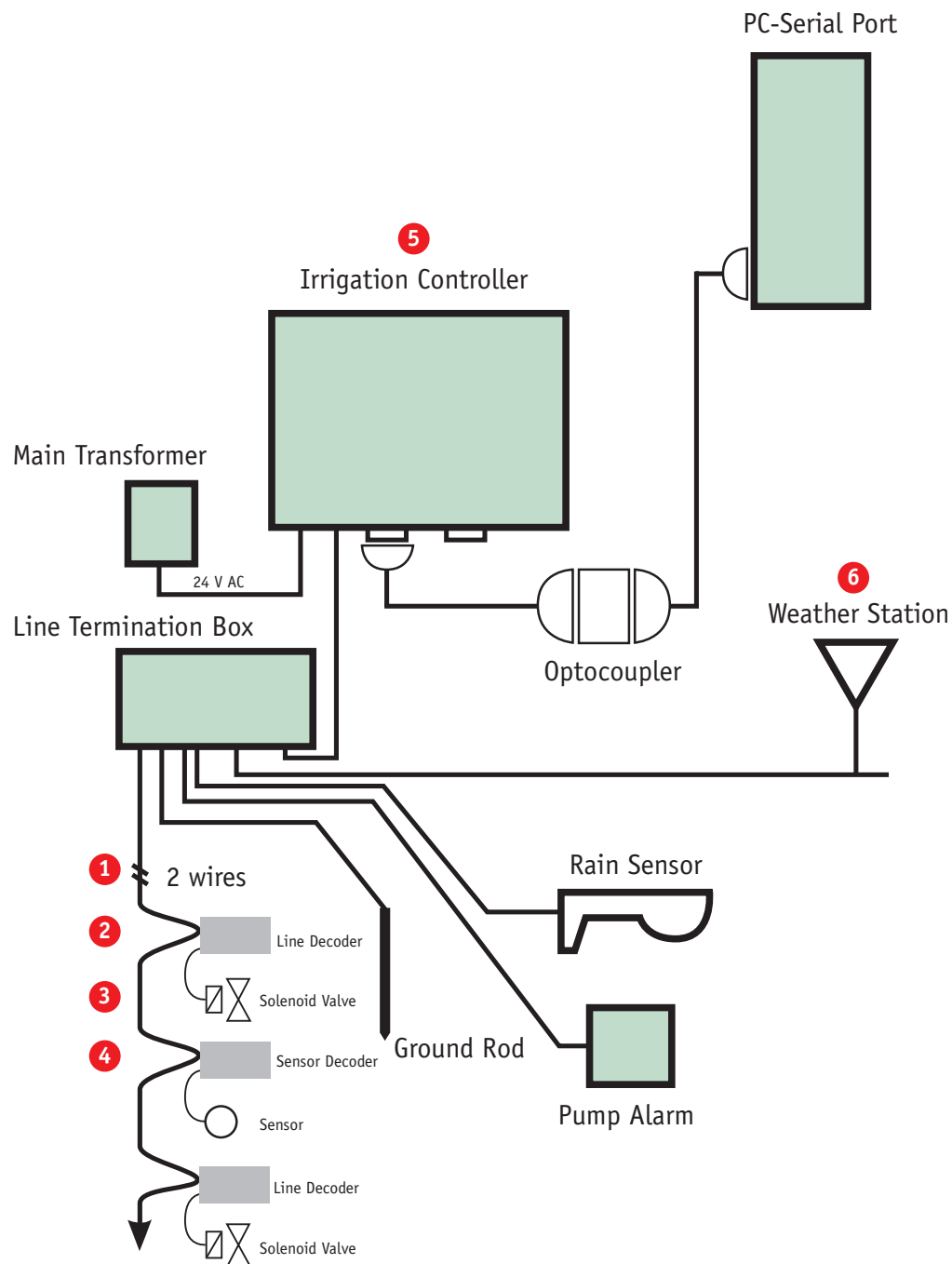


Intelligent Control of Professional Irrigation Systems



Decoders **2** are attached to the two wires **1** and connected to electromagnetic valves **3**. Each decoder in the system has an individual address, which means that each valve can be activated and deactivated independently. Sensor decoders **4** are used to read measurement data in different ways, and applications include measurement of water consumption, soil humidity, water pressure in pipes, air temperature, wind

speed and -direction. Such data can be used to adjust irrigation and is logged in the control unit **5** to trigger activities according to user-defined interfaces. The control unit can also be connected to a weather station **6**, which can calculate evaporation rates to ensure irrigation is optimised to local climatic conditions.



Rain Control