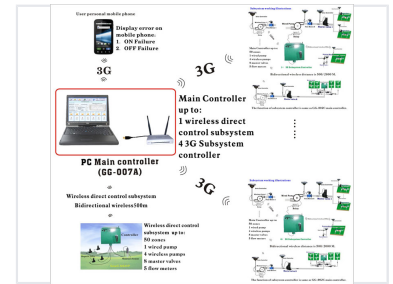


PC-Controlled Wireless Irrigation System

This system offers remote PC control for efficient irrigation management. It supports up to 250 wireless irrigation zones and 1000 valves, with real-time monitoring and control via a PC interface.



Overview

Advanced PC-Controlled Wireless Irrigation

This professional-grade irrigation management system offers centralized control via a PC interface, seamlessly connecting to field controllers through a robust 3G and wireless mesh network. It supports large-scale operations with up to 250 irrigation zones and 1,000 valves, providing real-time monitoring of moisture levels, valve status, and pump performance. Designed for efficiency, the system includes automated failure reporting to mobile devices and precise scheduling capabilities, making it an ideal solution for complex agricultural or commercial landscaping requirements.

System Capacity

Subsystem Capabilities (Per Unit)

- 50 Irrigation zones
- 1 Wired pump
- 4 Wireless pumps
- 5 Wireless flow meters
- 8 Master valves

Total Irrigation Zones	250
Total Valve Capacity	1000

Connectivity & Range

Communication Interfaces	USB, 3G Cellular, Wireless Mesh
Maximum Control Radius	2000 m
PC to Main Controller Speed	12 M/S

Software Features

Monitoring Features

Real-time status • Moisture levels • Battery status • Valve open/close status • Failure alerts

Alerting Methods	PC interface and mobile phone notifications for system failures
Scheduling Flexibility	Customizable forbidden irrigation periods per day, with two allowed periods per day for all zones