Application Note: PRD-IO

Golf Course Irrigation & Asset Control

The Challenge

Managing irrigation across an 18-hole golf course is incredibly time-consuming, and protecting pristine greens is critical. The main challenges are:

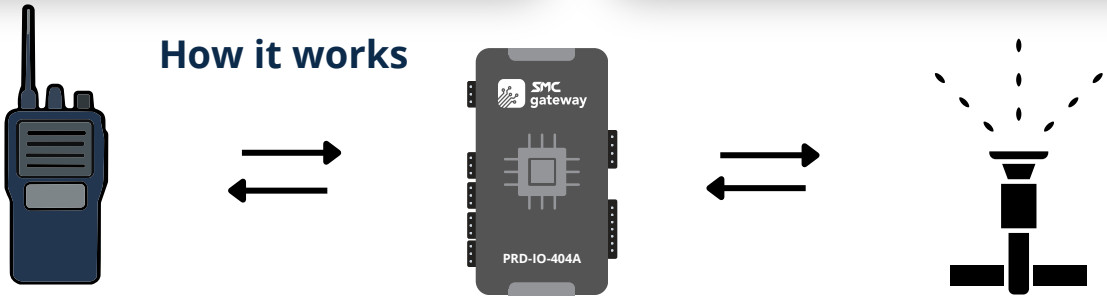
- Time Wasted: Hours spent driving across fairways to manually switch valves.
- Destructive Wiring: Trenching cables across high-value greens is expensive and disruptive.
- Delayed Discovery: Undetected overnight leaks or pump failures can ruin expensive turf.

The Solution

The PRD-IO links your two-way radio network directly to your irrigation system and pump houses, providing:

- Direct Control: Operate sprinklers straight from the radio handset on the course.
- Instant Alerts: Receive automated texts the moment a system trips or pressure drops.
- No Trenching: Operates on private radio frequencies, avoiding destructive groundworks.

How it works



REMOTE COMMAND
The greenskeeper sends a "Hole 4 Water ON" text message from their radio.

PRD-IO INTERFACE
The unit receives the text, triggers a relay to open the irrigation valve, and monitors the pressure sensor.

VERIFIED STATUS
The unit replies back to the radio with "Hole 4 Watering" or instantly alerts the team if water fails to flow.



End User Benefits

- **Cuts manual site visits**
- **Preserves pristine greens**
- **Eliminates cable trenching**
- **Single-device control**