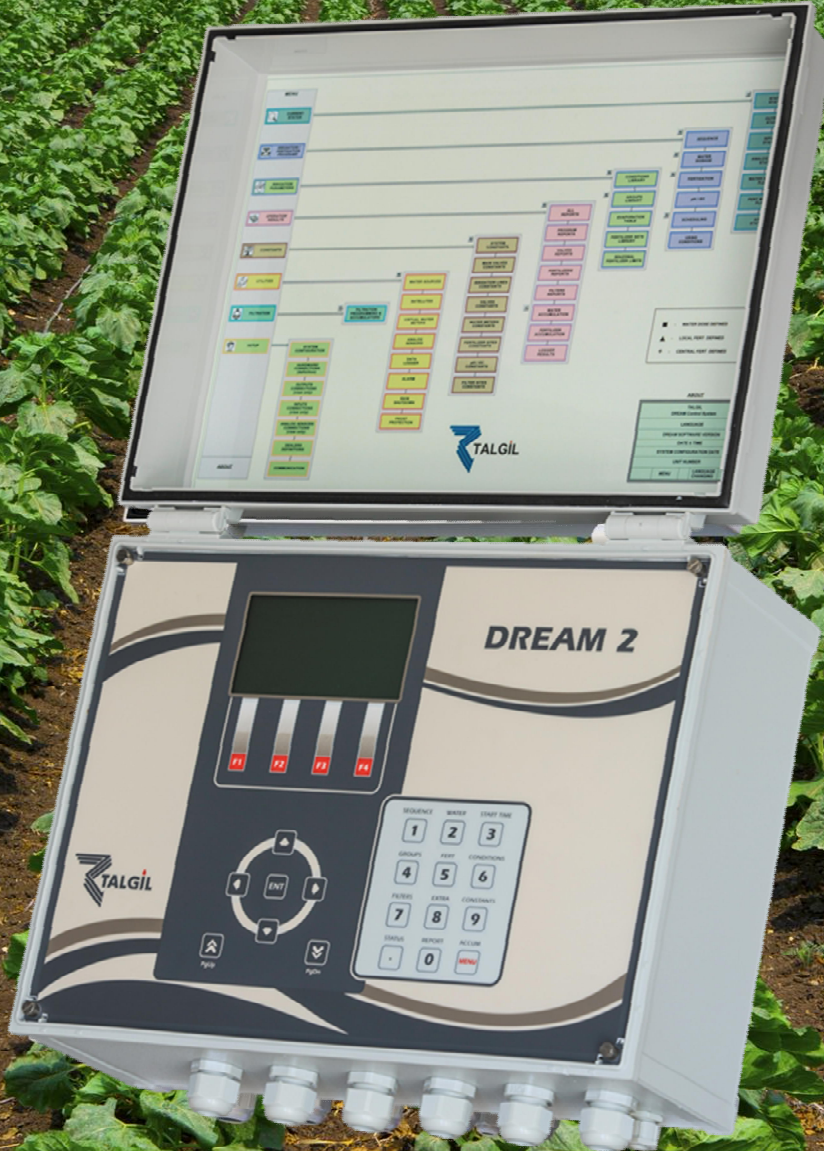




**TALGIL**  
Computing & Control Ltd.



**DREAM 2**

## ☆☆☆ DREAM 2 ☆☆☆

### Professional internet enabled central controller for multiple irrigation heads

The **DREAM 2** is the next generation of central control irrigation systems. It allows combining various technologies to suit each project specific needs. It is an **Internet enabled controller** so the user can control everything from his **PC or Smartphone**.

The **DREAM 2** can handle **multiple irrigation heads** thus allowing the user to manage medium to very large projects with many irrigation lines using a single controller.

### General Features:

#### **Modular & Flexible Hardware:**

- **Local outputs DC or AC** – Directly activating Solenoids and Electric Valves
- **Single cable 2W RTU** – Up to 10 km
- **Radio RTU** – Up to 5 km (Soon 10 km)
- **Ph/EC control** – Handles multiple fertilization injection units
- **Weather station** – Supplying data for irrigation by ET, Frost protection and Rain shutdown
- **Analog inputs** – Locally near the controller or remotely through the RTU (Both RF and 2W)

#### **Irrigation:**

- Hundreds of irrigation programs, irrigation heads and valves can be defined
- Water dosage by Time, Volume, Volume per area and ET
- Irrigation by days of the week or cycle of days
- Single cycle or pulse irrigation
- Start: by time, by condition, manually
- Each program allows irrigating single valves or sequences of valves or groups
- Main valve operation delayed, advanced, or together with the irrigation valves
- Can handle multiple water sources (Pump houses and water tanks)

#### **Fertilization:**

- Allows both Local and multiline (central) fertilization sites. Up to 6 fertilizers per site
- Fertilizer dosage modes:
 

Continuous	- Time (h:m:s), Volume (Liters)
Concentration	- L/m <sup>3</sup> , L/m:s, sec/min, m:s/L
Proportional	- proportion calculated from amount of water and fertilizer
- Three stage fertigation: pre- watering, injection, post watering

#### **Backflush:**

- Allows both Local and multiline (central) filter sites.
- Flushing by time, by PD or by both
- Definable parameters: Flushing interval, Pre dwell time, Dwell time, Flushing time, PD delay
- Endless looping detection and prevention
- Accumulation of flushing cycles by time and by PD

#### **Alarms:**

- High flow, Low flow, Water leakage, Low pressure
- Fertilizer leakage, No pulses from fertilizer injector
- PD sensor failure
- Low battery, No AC

#### **Communication:**

- New PC software, Java based - **DREAM CONSOLE**. Simple to use, powerful and modern
- New Smartphone application – **DREAM SPOT**. From any device on any operating system
- Possible communication channels: **Netstick**, 3G modem, Ethernet cable, Radio, Cable
- Email alarm notifications

#### **General:**

- Multi language controller
- Large graphical LCD and full numeric keyboard
- Dealer definitions allows tailor fitting each controller to each user specific application
- Flexible condition systems allows starting, stopping, waiting and continuing of irrigation programs
- Detailed event log for all system events
- Controller configuration and irrigation programs are saved on non volatile memory

#### **Energizing options:**

- 12V DC from a solar panel and a rechargeable battery
- 220V / 110V AC