

MINI AGG PRO

*Medium sized internet enabled
professional agricultural timer*



The **MINI AGG PRO** is a cost effective, easy to use, internet enabled professional agriculture timer.

General Features:

- **Modular structure** – 4/8/12/16/20 outputs.
- Available both in AC (24V AC) and DC (12V DC latch) versions.
- **Outputs allocation:**
 - 0 or 1 Main valve / Pump.
 - Up to 4 Fertilizer injectors.
 - 0 or 1 Fertilizer booster pump
 - Any number of irrigation valves and filters
- **4 Dry contact Inputs can be allocated for** - Water meter, Pressure sensor, Differential pressure sensor, Start / Stop contact for program C
- **2 Analog inputs can be allocated for:**
 - Standard 4-20mA / 0-5V analog sensor
 - Dedicated analog differential pressure sensor
- Local programming is done via Wi-Fi direct.
- Remote access via cellular 4G Modem or Wi-Fi modem.



Irrigation:

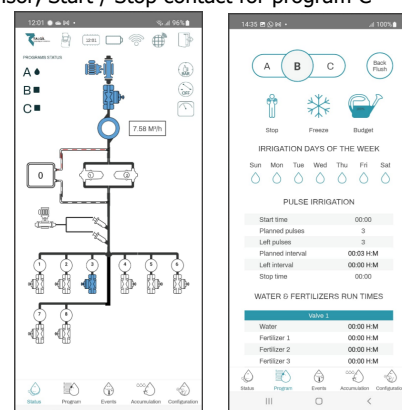
- Three independent irrigation programs.
- Each program can work by start times (up to 6) or pulse irrigation (up to 999).
- Irrigation can be done by valves or group of valves.
- Valves can overlap or have a delay between them.
- Main valve can be opened before, after or together at the start and end of the program.
- Each program handles both the irrigation and the fertilization with independent run times.
- Program C may function as an emergency program started by a sensor / contact.
- Run time units of hours/minutes or minutes/seconds selectable per program.
- Water run times can be adjusted in % between 20-250 %.
- Irrigation by days of the week or by cycle of days.
- Real time flow monitoring while irrigating.
- Each program can be activated automatically or manually.

Fertilization:

- Allows controlling a fertilizer booster pump.
- Fertilizing in three stages: pre-watering, injection and post-watering.

Filtration:

- Automatic filters backflush program activated by DP sensor and/or by time.
- Accumulations of backflush by time and DP.



Accumulations:

- Water and Fertilization accumulations by time for valves.
- Water accumulation by volume for water meter.

Alarms:

- Notifications are sent to phone (Push).
- No AC / Low battery / shorted output / disconnected output.
- No flow / Water leakage / low pressure.
- DP sensor failure (looping).

Communication:

- Supports 4G cellular Modem, Wi-Fi Modem and direct Wi-Fi.
- New dedicated Smartphone application for Android and iOS.
- Remote firmware upgrade (OTA).

Energizing options:

- DC device powered by 6/12V DC.
- AC device powered by 220V / 110V AC + 12V DC Rechargeable.





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