NMC Junior Pro Controller

OVERVIEW
The **NMC Junior Pro** is an economic and multi-function irrigation controller for small and medium applications. It is a modular controller with 15 outputs and flexible output configuration.

The **NMC Junior Pro** is designed to work in open-field or greenhouse applications.

HIGHLIGHTS & BENEFITS
- A cost-effective product.
- Local PC software or mobile & web remote control by NMC Air.
- A precise EC & pH monitor and control algorithm.
- Friendly & simple user interface, with a large graphic display.
- Multi-language user interface.
- Sold with the FertiKit™ Nutrigation™ system, or as a stand-alone product.

MAIN FEATURES
- 15 flexible outputs, configured according to field application:
  - Up to 15 valves - irrigation/cooling/misting
  - Up to 6 booster pumps
  - Up to 1 main valve
  - Up to 8 fertilizer dosing channels
  - Up to 3 agitators
  - Up to 15 backflush filter valves

- Inputs for different uses:
  - 6 digital inputs for water meter, fertilizer meter and delta pressure switch
  - 5 analog inputs for EC, pH, 2 x temperature and relative humidity

- **Irrigation strategy**, based on a dosing program, a water runtime program and an irrigation program.
  - The irrigation starts by either: time, conditions, VPD sum and radiation sum.

- **Filter flush program**, started according to time and/or delta pressure (ΔP).

- **Cooling strategy**, started according to time and the actual temperature and relative humidity sensors.

- **Misting strategy**, started at a scheduled time. This program can also be used as a simple timer program.

![Diagram of NMC Junior Pro Controller](image-url)

**Diagram Notes:**
- Water source -> Main line pump up to 6 -> Filters up to 15 -> Main valve up to 1
- EC/pH
- Dosing booster -> Dosing channel up to 8
- Fertilizer meter
- Agitators up to 3
- Valves up to 15
- Temperature
- Humidity
- Water meter
- ∆P

When the cooling program is active...
TYPICAL INSTALLATION

NMC Junior Pro controller with FertiKit™ 3G dosing system.

ORDER DETAILS

**NMC JUNIOR PRO BASIC CONFIGURATIONS**

Stand-alone

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For FertiKit™ 3G

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POWER SPECIFICATIONS

- 15 outputs 24 VAC
- Internal surge protector
- 115/230 VAC
- Surge protection on inputs and outputs
- Power supply 115/230 VAC, 35 Watt

AVAILABILITY

Lead time: 4 weeks from receipt of customer’s order.

UPGRADE FROM NMC JUNIOR TO NMC JUNIOR PRO

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USER & INSTALLATION GUIDE

An installation guide with comprehensive explanations is provided with the NMC Junior Pro and can be downloaded from the Netafim™ Media Center at [http://www.netafim.com/media-center](http://www.netafim.com/media-center).

Thanks, Orit Katzir, CMT Product Manager