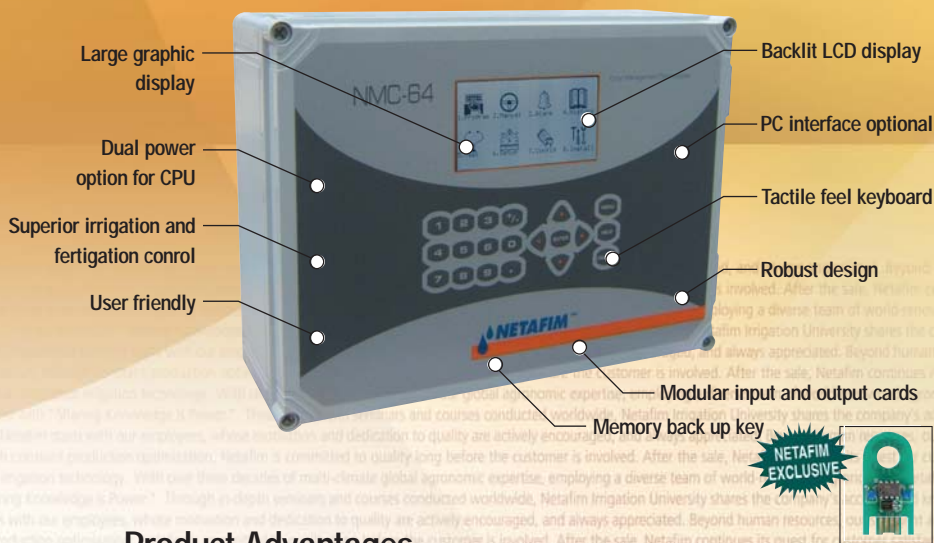


NMC-64 Irrigation Controller

Stand-Alone Controller for Irrigation and Fertigation Control – Medium to Large Applications

Netafim has designed this controller to extend your water and fertiliser management skills to the field when your time is demanded elsewhere. By offering ease of programming, monitoring and accumulating logged data, you will easily recover your investment through reduced input costs: water, energy, chemicals and fertiliser. The simplicity of the control system and its capability to record data allows you to repeat or modify your scheduling assuring maximum crop output.



Product Advantages

- Stand-alone controller specifically designed for Agricultural Irrigation and fertigation control.
- User friendly design includes large graphic backlit LCD Display – 16 Lines x 40 characters.
- Robust design withstands tough climates – rugged all-weather reinforced plastic housing with screw-on lid (IP 56).
- Surge suppression on all inputs and outputs significantly increases reliability.
- Modular design allows easy expansion of inputs and output boards.
- Application logs for water and fertiliser use are an excellent management tool.
- Optional PC software for local and remote control and monitoring.
- Superior software flexibility – up to 50 controllers can be connected in a network and presented in the same PC software.
- Multiple options for link to office PC (wire, telephone or radio) to meet site requirements.
- Battery back-up ensures no lost settings or logs due to power failure.
- The NMC-64 Controller offers:
 - Multiple pump control
 - Filter Flushing with master control for pressure sustaining valve
 - Runs up to 40 valves sequentially or grouped (larger transformer maybe required)
 - EC and pH monitoring and control
 - Multiple fertiliser mixes and programming options
 - Multiple water, fertiliser and auxiliary flow meters
 - Comprehensive log of all data and graphing of sensor data

Applications

- Medium to Large Agricultural Applications
- Greenhouse and Openfield Hydroponic Irrigation
- Drip Irrigation in Row and Permanent Field Crops
- Nurseries

NMC-64 Controls:

- Valves
- Multiple Pumps
- Multiple Filter Flushing
- Pressure Sustaining Valve
- Multiple Fertiliser Pumps
- Fertiliser Booster Pump
- Fertiliser Tank Selector Valves
- Fertiliser Agitation
- Cooling Systems
- Misting Systems
- Alarm Device

NMC-64 Monitors:

- Water Meters
- Fertiliser Meters
- Auxiliary Accumulation Meters
- Temperature Sensors
- Humidity Sensors
- Weather Station Data
- EC and pH Sensors
- Conditional Inputs



NMC-64 Controller Technical Information

HARDWARE SPECIFICATIONS

Surge Protection on 240 VAC Power	1 Internal, 1 Optional External
Surge Protection on Inputs and Outputs	YES
Dual Power CPU	240 VAC or 12 VDC
Modular I/O Design	YES up to 10 I/O Modules
Outputs – 24 VAC	Up to 64 (in modules of 8)
Outputs – Relay Contacts	Up to 64 (in modules of 8)
Inputs – Digital/Pulsed	Up to 16 (in modules of 8)
Inputs – Analogue	Up to 22 (in modules of 11)
Pumps Starts	Up to 6 (controlled via calculated flow)
Filter Flushing	Up to 24 Filters With Main Filter Valve
Fertiliser Pumps	Up to 8
Fertiliser Tank Selectors	Up to 7
Main Water Meters	Up to 3
Fertiliser Meters	Up to 8
Auxiliary Accumulation Meters	Up to 8

SOFTWARE SPECIFICATIONS

Irrigation Programs	Up to 15
Number of Start Times Per Program	Up to 6
Number of Cycles Per Start Time	Up to 99
Number of valves per program (either in sequence or grouped)	Up to 40 Valves
Valve Run Time Programs	Up to 60
Fertiliser Programs	Up to 10
Fertigation Methods	Time, P. Qty, Ratio (1:1000)
Irrigation Alarms – Configurable	High and Low Flow, Unopened Water, Water Leak
Fertigation Alarms – Configurable	Fertiliser Leak, High and Low EC and pH
Cooling or Humidifying Programs	Up to 5 dynamic programs
Cooling Valves	Up to 16 Valves (10 per prog.)
Misting Programs	Up to 40
External Memory Backup	Yes – Via Memory Key

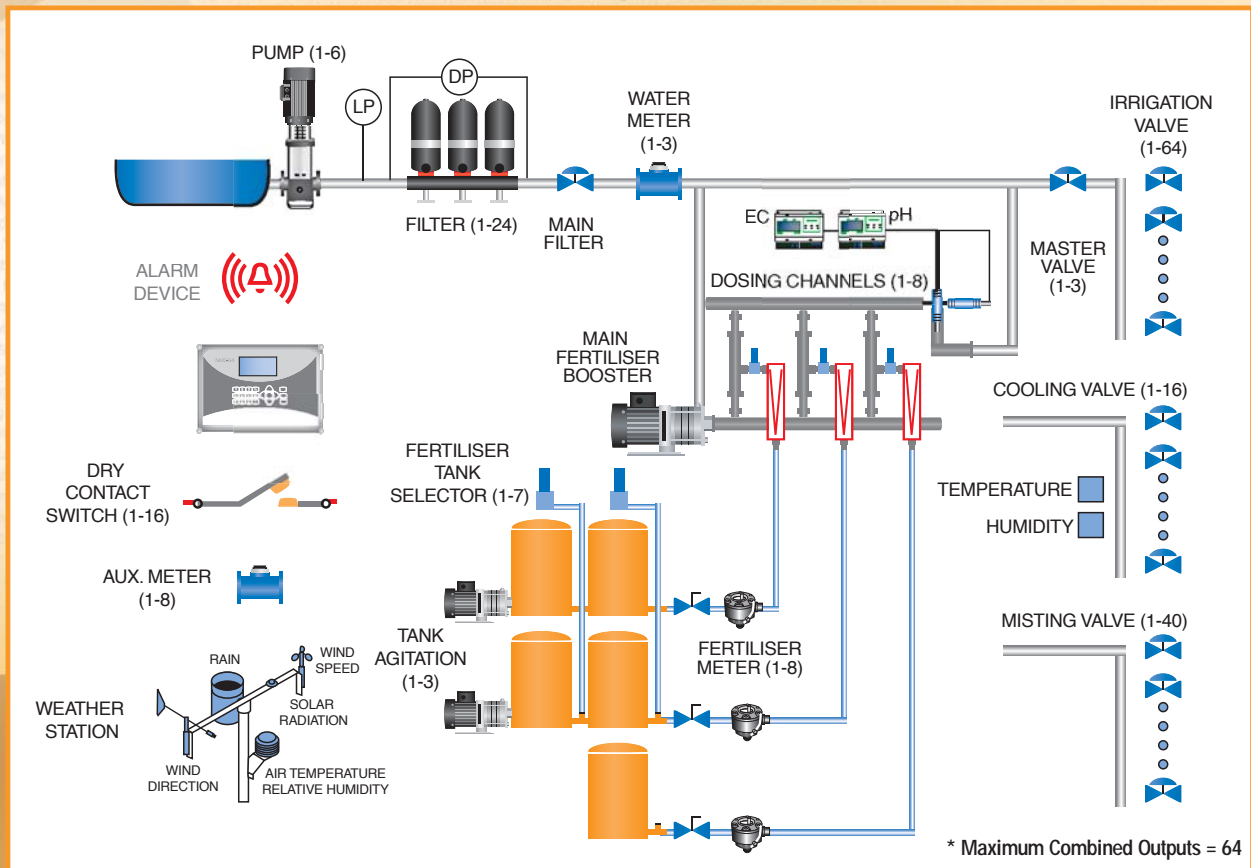
DIMENSIONS

Height	330 mm
Width	415mm
Depth	135 mm

PART NUMBER

NMC-64, No Control Cards	74340-002100
8 x 24VAC Card	74340-008500
8 x Relay Card	74340-008600
8 x Digital Input Card	74340-008800
11 x Analogue Input Card	74340-008900

AUSTRALIAN COMPLIANCE



For more information call your Authorized Netafim Distributor or call Netafim

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