

MODEL:

M2KPI: Micro2000 Pump Interlock Module

M2KPI
Pump Interlock Module
Specifications
Power Supply

Voltage: 240VAC $\pm 10\%$ @ 50/60Hz **OR**
 24VAC $\pm 10\%$ @ 50/60Hz
 NOT BOTH

Power Consumption: 7VA max

Power Terminal Identification

	Earth
N	Neutral supply
240V~	Mains 240VAC Supply
OR	
24V	24VAC Supply
0V	0 Volts

Terminal Identification
Interlock Signal Terminals (Voltage free):

Verify	Output Verify of Flow
Call	Input Call for Pump
GND	Ground

Pump Control Terminals:

Pump	Pump Relay Output (Normally Open)
Flow	Dry Contact Input of Flow Status

Temperature Ratings

- Storage 0 to 50°C non-condensing
- Operating 0 to 40°C non-condensing

Enclosure

The Micro2000 Pump Interlock Module is housed in a rectangular case suitable for DIN Rail mounting.

The housing is moulded from flame retardant plastics recognised by UL as UL 94-V0.

Colour: Grey

Dimensions (max): 107mm(w) x 89mm(h) x 65mm(d)

Installation

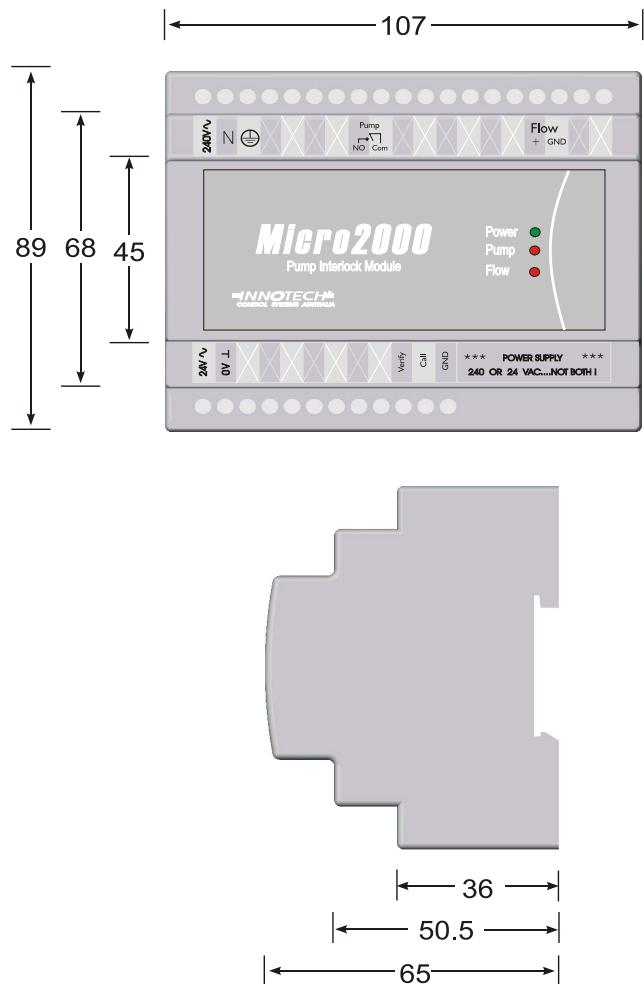
1. The Innotech Micro2000 Pump Interlock Module should be mounted on DIN rail in cabinets approved for switchgear or industrial control equipment. It should be mounted in a dry and clean location, free of excess vibration. Maximum terminal cable entry is 1.5mm² wire.
2. Wire in accordance with INNOTECH connection diagrams and local bylaws or refer to your local distributor.

Both a 240VAC Supply and a 24VAC supply should never be connected at any given time.

If using a 240VAC supply connect the supply to the correct terminals on the controller, observing the correct polarity of the connections. Connect the EARTH to the correct terminals on all units.

If using a 24VAC supply, earth one side of the 24VAC at the transformer. Connect the EARTHED side of 24VAC to the 0V terminal. Connect the remaining side of the transformer to the 24V terminal.

This product should only be installed by qualified personnel.


Application

The Innotech Micro2000 Pump Interlock module can be used with the any Micro2000 series controller which has pump interlock facilities available. It allows easy control of a Condenser Water Pump from multiple controllers connected to a three wire network.

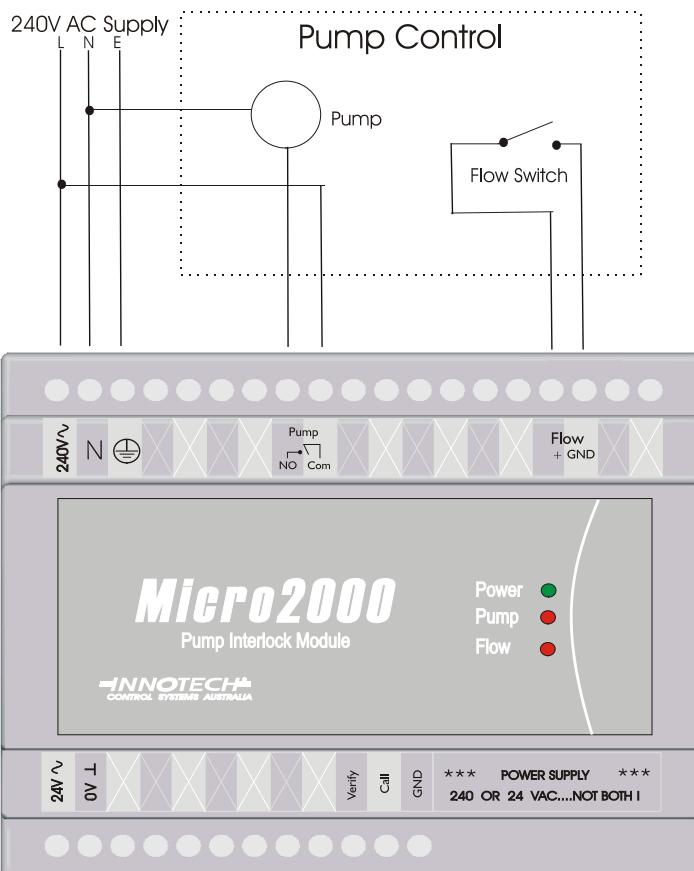
Features

- Dual supply, either 240VAC or 24VAC
- Indication of Power, Pump and Flow Status
- Easy three wire interlock loop to controllers

Approvals

The Innotech Micro2000 Pump Interlock Module series controllers conforms to:

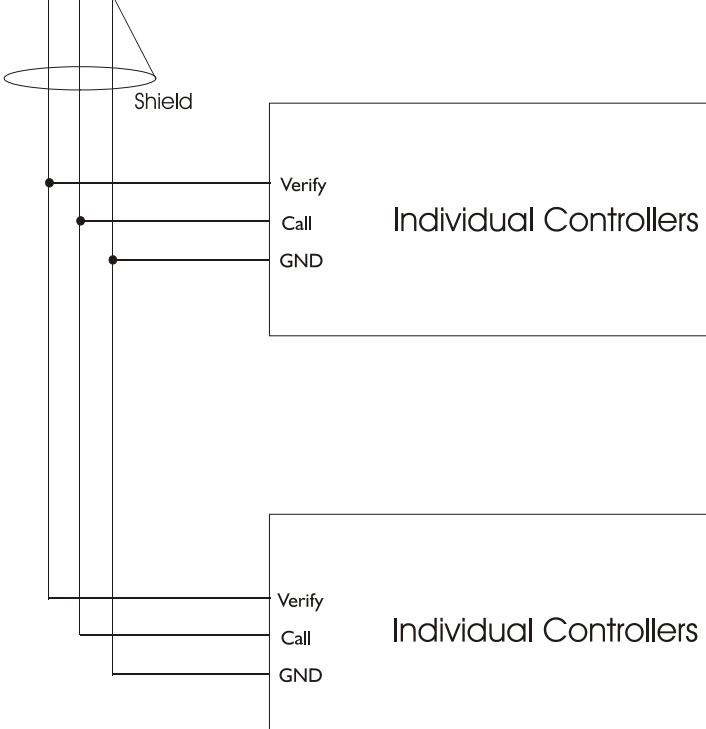
- Electromagnetic emission and immunity requirements according to standards EN55011 (CISPR11) and EN50082 for CE Marking and C-Tick Labelling



NOTE:
Never wire both a
240VAC and 24VAC
supply to the device
at any given time

Maximum allowable signal cable resistance
between **Verify to Com** and **Call to Com**
is **500 Ohms** (approx. 2 kms, depending
on type of cable used)

If longer cable runs are required a second
pump interlock module can be used as a
repeater to boost the signal strength.
Contact your local distributor for more
information



INNOTECH®

Australian Owned, Designed & Manufactured
by Mass Electronics Brisbane

Phone: +61 7 3421 9100 **Fax:** +61 7 3421 9101
Email: sales@innotech.com.au www.innotech.com.au

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