

Resource  
Data Management

# Mercury IP Futura Module Range

Commissioning/User Guide  
Revision 1



PR0016  
PR0016-DIN  
PR0016-DUALDIN

## Contents

The Mercury IP Futura Module Range .....	3
Variants .....	3
Futura IP, DIN and DUAL DIN.....	3
Connection Details .....	3
PR0016 .....	3
PR0016 DIN/DUALDIN.....	4
Specification .....	5
PR0016 .....	5
Power requirements .....	5
Cleaning.....	5
PR0016 DIN/DUALDIN .....	5
Power requirements .....	5
Cleaning.....	5
Mounting Instructions .....	6
Disclaimer .....	6



Please ensure all power is switched off before installing or maintaining this product.

# The Mercury IP Futura Module Range

## From Resource Data Management

The IP Futura network modules offer an easy to fit, reliable and affordable interface to Resource Data Management controls to allow them to be connected to an IP Ethernet network.

For a network system with a DMTouch front end the interface will allow controllers to be 'logged on' to the front end to provide full remote access to data, alarms and settings.

Three easy to use rotary switches define the modules and controllers ID to an RDM front-end system. Any setting other than 000 allows the Data Manager to use DHCP and address the controller. Setting the rotary switches to 000 allows the controller to have a static IP address, which must be programmed into the controller by the user. (See the user guide of the controller to do this)

The IP module is powered by the controller it's connected to and does not require an external PSU.

## Variants

### Futura IP, DIN and DUAL DIN

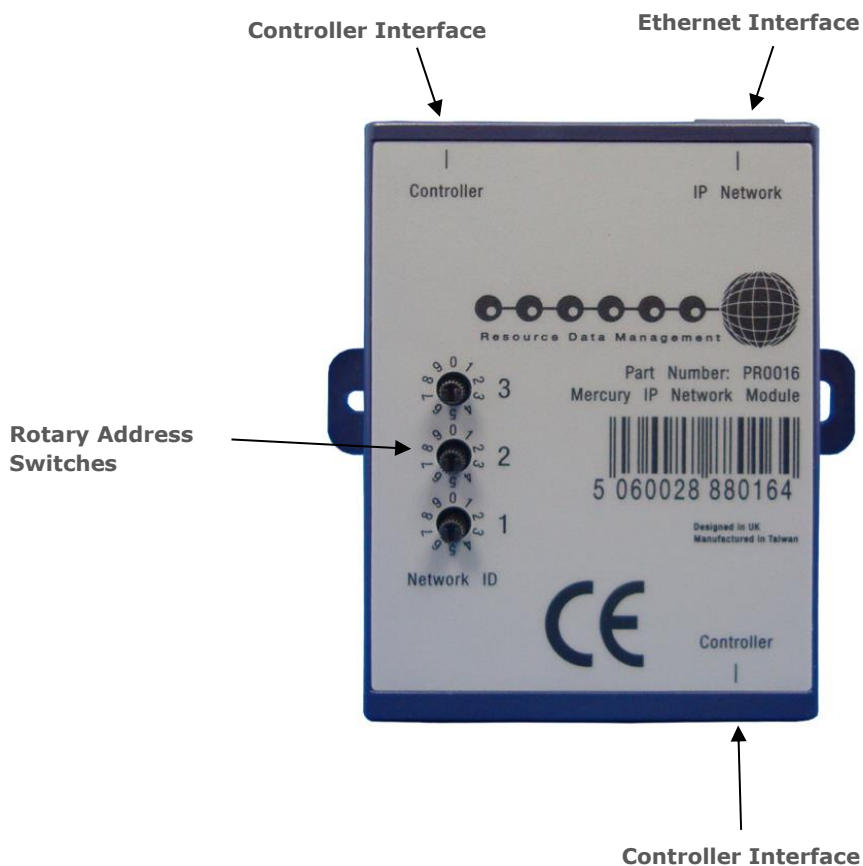
Description	Part Number
Futura IP Interface Module	PR0016
Futura IP Interface Module DIN mountable	PR0016 DIN
Futura IP Interface Module DUAL DIN mountable	PR0016 DUALDIN

## Connection Details

RS232- 8 pin RJ45 connection to controller. Maximum recommended length is 5 metres.

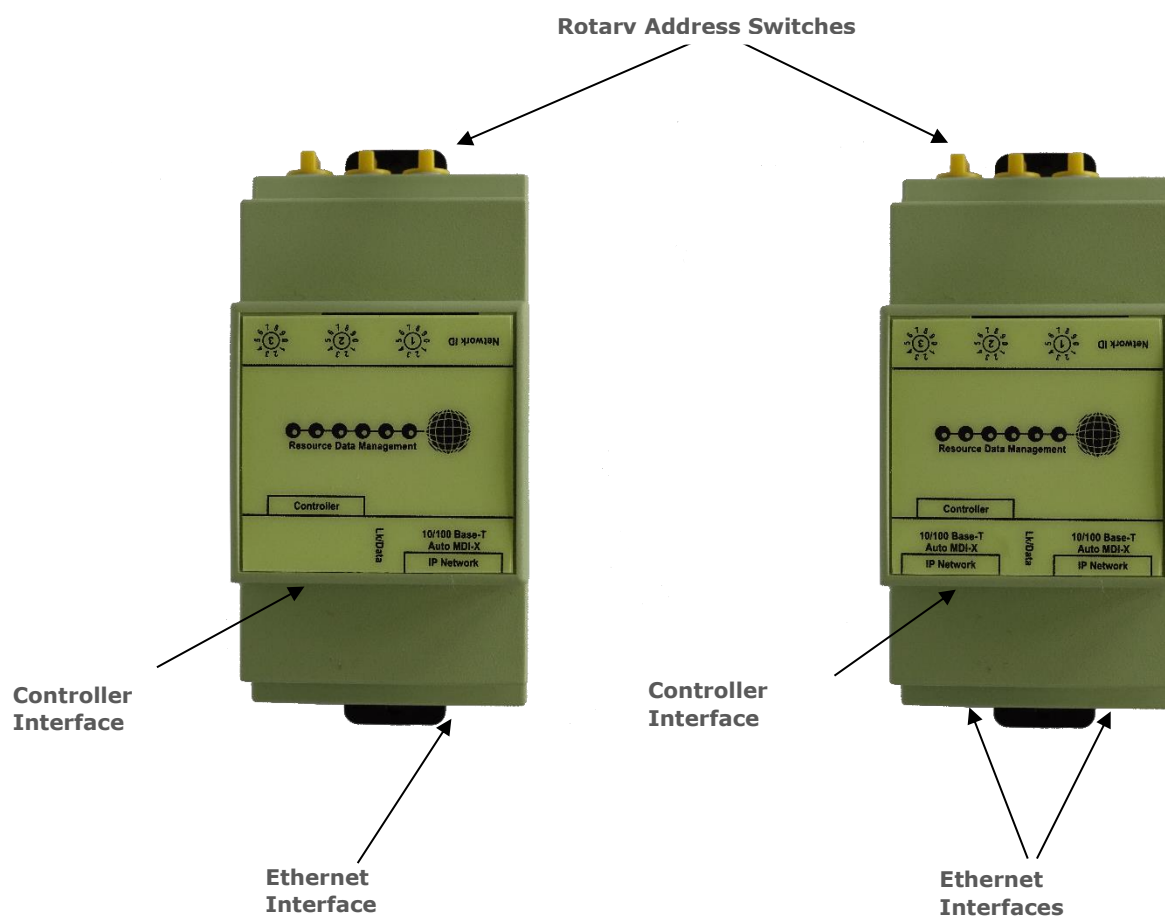
IP - 8 pin RJ45 connection to Ethernet Network. Maximum recommended length is 100 metres.

## PR0016



Please ensure all power is switched off before installing or maintaining this product.

## PR0016 DIN/DUALDIN



The PR0016 DUALDIN has two built-in switched ports (10/100 Mb/s). This allows a range of RDM controllers to be “daisy chained” together thus minimising the amount of patch cable required to connect devices, therefore creating IP networks without the need for an external Network Switch or Hub.



Please ensure all power is switched off before installing or maintaining this product.

## Specification

### PR0016

#### Power requirements

Supply Voltage Range:	5 Vdc $\pm$ 5%
Typical supply current:	<500 mA
Operating temperature range:	+5°C to +50°C
Operating Humidity:	80% maximum
Storage temperature range:	-20°C to +65°C
Environmental:	Indoor use at altitudes up to 2000m, Pollution Degree II,
Size:	97mm (H) x 114mm (W) x 30mm (D)
Weight:	125 Grams
EMC:	EN 61326-1: 2013
Ventilation:	There is no requirement for forced cooling ventilation
Class 2 Insulation:	<b>No</b> protective Earth is required and <b>none</b> should be fitted.
Disposal	Please observe local legislation with regards to electrical products.
Origins	Product designed in the UK manufactured in Taiwan.

## Cleaning

Do not wet the module when cleaning. Clean by wiping with a slightly dampened lint free cloth.

### PR0016 DIN/DUALDIN

#### Power requirements

Supply Voltage Range:	5 Vdc $\pm$ 5%
Typical supply current:	<500 mA
Operating temperature range:	+5°C to +50°C
Operating Humidity:	80% maximum
Storage temperature range:	-20°C to +65°C
Environmental:	Indoor use at altitudes up to 2000m, Pollution Degree II,
Size:	110mm (H) x 52.5mm (W) x 68mm (D)
Weight:	127 Grams
EMC:	EN 61326-1: 2013
Ventilation:	There is no requirement for forced cooling ventilation
Class 2 Insulation:	<b>No</b> protective Earth is required and <b>none</b> should be fitted.
Disposal	Please observe local legislation with regards to electrical products.
Origins	Product designed in the UK manufactured in Taiwan.

## Ethernet Interface

10/100 Base-T with Auto MDI-X feature. The Auto MDI-X feature automatically configures the Ethernet Interface to allow either a standard patch cable or crossover cable to be used when connecting to the RS232 to IP module directly.

## Cleaning

Do not wet the module when cleaning. Clean by wiping with a slightly dampened lint free cloth.



Please ensure all power is switched off before installing or maintaining this product.

## Mounting Instructions

Standard DIN rail mountable with additional mounting holes max 125mm apart.

## Disclaimer

The specifications of the product detailed in this document may change without notice. RDM Ltd shall not be liable for errors or omissions, for incidental or consequential damages, directly or indirectly, in connection with the furnishing, performance or misuse of this product or document.

## Revision History

Revision	Date	Comments
1.0	09/01/2017	New documentation format.



Please ensure all power is switched off before installing or maintaining this product.

## Group Offices

### RDM Group Head Office

80 Johnstone Avenue  
Hillington Industrial Estate  
Glasgow  
G52 4NZ  
United Kingdom

+44 (0)141 810 2828  
[support@resourcedm.com](mailto:support@resourcedm.com)

### RDM Inc

100 North Sixth Street  
Suite 630B  
Minneapolis, MN  
55403  
United States

+1 612 354 3923  
[usasupport@resourcedm.com](mailto:usasupport@resourcedm.com)

### RDM Asia

Sky Park at One City  
Jalan USJ 25/1  
47650 Subang Jaya  
Selangor  
Malaysia

+60 3 5022 3188  
[info@rdmasia.com.my](mailto:info@rdmasia.com.my)



Visit [www.resourcedm.com/support](http://www.resourcedm.com/support) for more information on RDM solutions, additional product documentation and software downloads.

While every effort is made to ensure the information given within this document is accurate, Resource Data Management Ltd shall not be liable for errors or omissions, for incidental or consequential damages, directly or indirectly, in connection with the furnishing, performance or misuse of this product or document. All specifications are subject to change without notice.

See [www.resourcedm.com](http://www.resourcedm.com) for terms and conditions of sales.

Copyright © Resource Data Management