

MIDEA M-THERMAL R32/R290 QUICK START GUIDE - V02

Planet Devices Ltd

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VERSION HISTORY

Version	Date	Author	Notes
V01	2024-05-20	GR	Initial release
V02	2024-05-31	LB	Update Modbus Connection & Address information

PREFACE

Atmo (RS-485 Modbus RTU) [P/N 386363-249] requires a Modbus interface in order to communicate with heat pump systems.

For Midea M-Thermal R32/R290 systems, this is provided over ports H1 and H2, located on the wired controller PCB. To receive all Modbus data, the wired controller must be connected to the hydraulic module.

PURPOSE OF THIS DOCUMENT

Modbus interfaces must be configured to match the serial settings of the Atmo device, or vice versa.

This document serves as a “quick start” guide only. Please refer to the documentation provided with the heat pump system for more information.

INSTALLATION INSTRUCTIONS

1. Remove all power from the heat pump system
2. Remove the wired controller backplate
3. Connect the RS-485 A and B signal lines according to the following table:

BUS1	↔	H2
BUS2	↔	H1

4. Access the hydraulic module PCB
5. Ensure that the rotary switch (S3) is set to the default position of 0
Position 0 translates to Modbus Worker Address 1.
6. Turn on the heat pump system

The Atmo device should now be able to communicate with the M-Thermal system. Please refer to the Atmo Installation Manual for further steps.

TECHNICAL SUPPORT

If you are unable to use your Atmo device as intended after following the steps in this manual – and the Atmo Installation Manual – please contact our Support team.

Planet Devices operate Monday to Friday, between the hours of 09:00 and 17:30 (UTC/GMT/BST):

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