



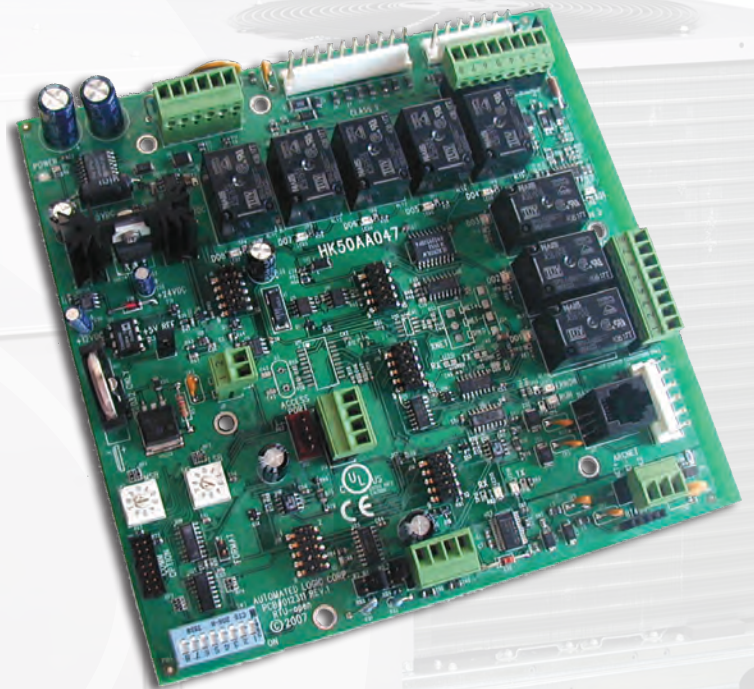
Turn to the Experts.™

RTU-MP Controller

The RTU-MP controller was custom designed to be an integrated component of a Carrier rooftop unit. It's internal application programming provides optimum performance and energy efficiency. After all, who better to deliver this kind of control performance than the company who actually designed the equipment? RTU-MP enables the unit run in a 100% stand-alone control mode or it can communicate to the customer's Building Automation System (BAS). On-board DIP switches allow you select your protocol (and baud rate) of choice among the four most popular protocols in use today ... BACnet, Modbus, Johnson N2 and LonWorks.

Key Features and Benefits

- Designed from the ground up for use in Carrier RTUs
- Built-in protocol support: BACnet MS/TP, Modbus (RTU), N2, and LonWorks
- Software upgrades can be downloaded locally - no chip replacements necessary.
- Built-in support for Carrier's handheld service tool



Specifications

Power:	18 - 30VAC, 50-60Hz, 15VA power consumption			
Environmental Operating Range:	-40° to 160°F (-40° to 71°C), 10%-95% RH non-condensing			
Outputs:	Economizer Fan Cooling Stage 1	Cooling Stage 2 Heat Stage 1 Heat Stage 2	Heat Stage 3/Exhaust/Reversing Valve	
Inputs:	Space Temperature Supply Air Temperature Outdoor Air Temperature	Indoor Air Quality Outdoor Air Quality Compressor Lockout	Fire Shutdown Enthalpy Status Fan Status/Filter Status/Humidity/Remote OCC	Setpoint Adjustment
Communication Ports:	<p>Open Protocol Port: EIA-485, protocol and baud rate desired are DIP switch selectable between BACnet MS/TP, Modbus RTU, or N2.</p> <p>Rnet Port: (EIA-485) for network communication to Carrier's line of intelligent space sensors, keypad/display units and handheld service tool.</p> <p>Option Comm Port: For use with optional plug-in LonWorks communications card.</p>			
Optional Plug-In:	LonWorks			
Status Indication:	Visual (LED) status of serial communication, running, errors, power, all digital and analog outputs.			
Battery:	Seven-year lithium battery provides a minimum of 10,000 hours of data and time clock retention during power outages.			
Protection:	Built-in surge transient protection circuitry. Module protected by internal solid state Polyswitches on incoming power and network connections. Polyswitches do not need to be replaced as they will reset themselves once the condition that caused them to "trip" returns to normal.			
Listed by:	FCC Part 15 - Subpart B - Class A. UL, UL Canada, and European Community (CE) standards for industrial applications.			
Overall Dimensions:	6 1/2" (width) by 6 1/2" (height) by 1-5/8" (depth). 165mm (width) by 165mm (height) by 41mm (recommended panel depth).			

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Manufacturer reserves the right to discontinue, or change at any time, specifications or designs, without notice or without incurring obligations.



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