

Modbus RTU Converter

Job Name: _____
 Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

Date: _____
 Approval: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____



ELECTRICAL

Power Supply, Consumption	12Vdc, 1.2W
Source	Indoor Unit connection

EQUIPMENT CONNECTIONS

Gateway to IDU	Supplied interface cable
Gateway to BMS Network	3-wire, twisted, stranded, shielded; compliant with EIA-485 spec

WEIGHT AND DIMENSIONS

Net weight oz. (g)	7.0 (200)
H x W x D in. (mm)	5-1/2 x 4-5/8 x 1-11/16 (140 x 117 x 43)

COMPATIBLE UNITS

ASU30RLE	AUU30RGLX	ARU36RGLX
ASUG09LMAS	AUU36RGLX	ARU42RGLX
ASUG12LMAS	AUU42RGLX	ARU48RGLX
ASUG09LZAS	AUU48RGLX	AMUG24LMAS
ASUG12LZAS	ARU12RGLX	AMUG30LMAS
ASUG15LZAS	ARU18RGLX	AMUG36LMAS
AUU18RGLX	ARU24RGLX	AMUG48LMAS
AUU24RGLX	ARU30RGLX	

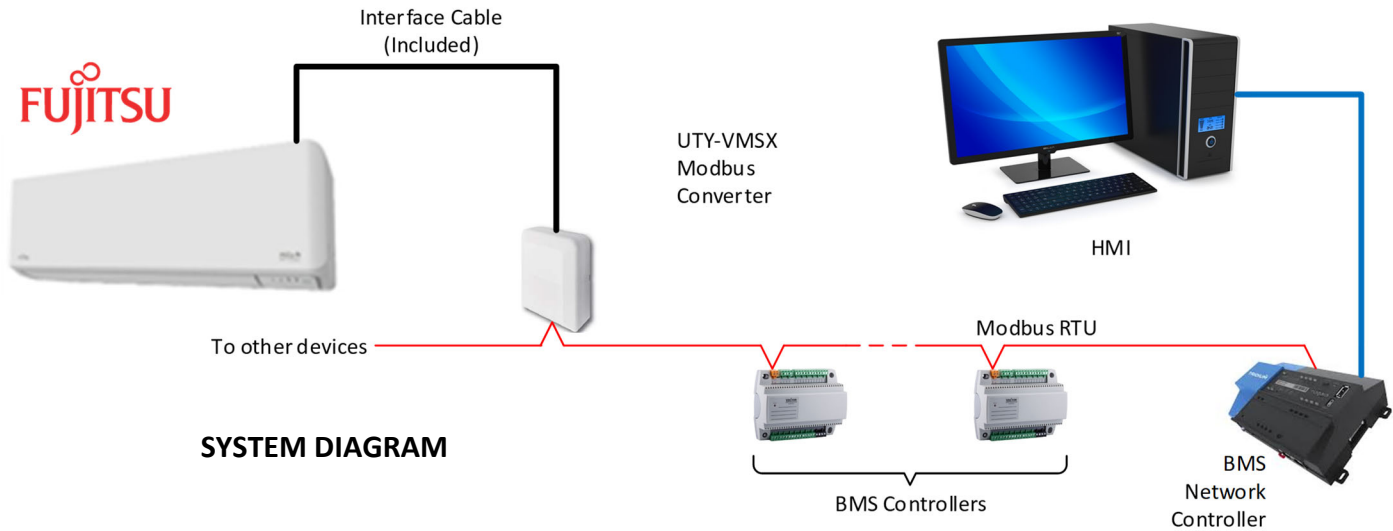
GENERAL INFO

Modbus RTU gateway device for UART-equipped Halcyon indoor units.

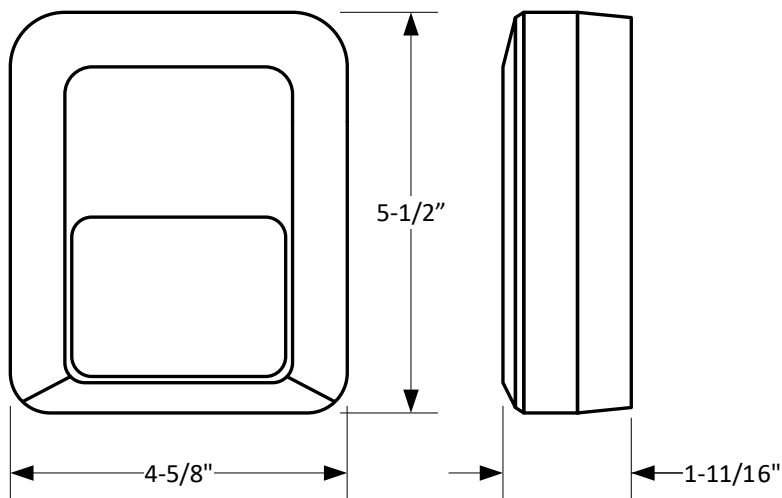
GENERAL FEATURES

- A one-to-one standalone gateway which connects your Halcyon indoor unit to a Building Management System, using the Modbus RTU open communication protocol
- Includes Modbus registers for commonly used control and monitoring parameters, including:
 - Equipment start/stop, operation mode, and fan and vane control
 - Room temperature setpoint
 - Room temperature
 - Error code reporting
 - Filter status and reset
- Supports standard Modbus read/write functions; see User Manual for specifics
- Simple DIP switch configuration of operating parameters: address, baud rate, termination resistance; no external configuration tools required
- Offers simultaneous control of the indoor unit by a Fujitsu remote controller and the BMS
- Small form factor, wall mount next to unit

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SYSTEM DIAGRAM



DIMENSIONS

Description	Control	Monitor
Operation	●	●
Operation mode	●	●
Fan speed	●	●
Vane position	●	●
Temperature setpoints	●	●
Filter status indicator	–	●
Error status and code	–	●
RC prohibition	●	●
Economy operation	●	●
Anti-freeze operation	●	●

LIST OF AVAILABLE FUNCTIONS