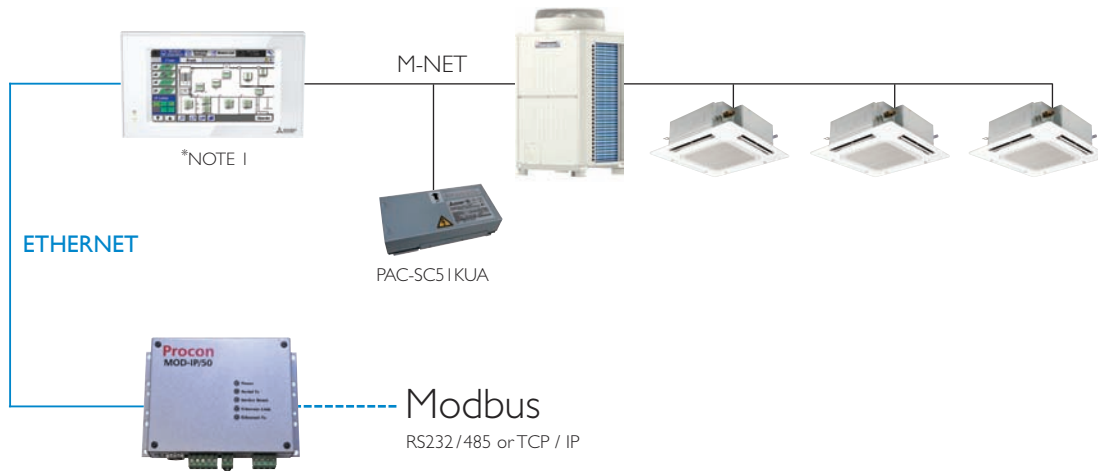


# BEMS Modbus Interface

## Procon™ MOD-IP/50

To further complement the existing control and interface product ranges being offered by Mitsubishi Electric to support their air conditioning systems, the Modbus range has been developed to accommodate the typical end-user needs as experienced within the UK market.



Technical Information

### MODBUS INTERFACE

FUNCTION	MOD-IP/50	COMPATIBLE WITH
MAX No. OF INDOOR UNITS	50	Trend via Synapsys SXNC200
CENTRALISED CONTROLLER REQUIRED	Yes (AG150 or GB50)	Cylon
POWER SUPPLY	240VAC 0.5A	Satchwell
COMPATIBILITY	City Multi Mr Slim via PAC-SF81MA M Series via MAC-399IF	Crestron (Home automation)
BEMS CONNECTION	Serial RS232, RS485 or-TCP / IP	Invensys
DIMENSIONS - mm (WxDxH)	144x34x104	Interactive Homes
		North BT
		Andover
		Siemens

### MODBUS INTERFACE - OPERATIONAL INFORMATION

FUNCTION	NETWORK VARIABLE	POINT TYPE	NOTES
<b>Control</b>			
	On/Off	Digital Input	Run/Stop
	Mode Operation	Analogue Input	Cool / Dry / Heat / Auto / Fan
	Setpoint Adjustment	Analogue Input	Cooling 19-30°C, Heating 17-28°C, Auto 19-28°C
	Fan Speed Control	Analogue Input	Lo-Mi1-Mi2-Hi
	Permit / Prohibit	Digital Input	On/Off, Mode, Setpoint
	Airflow Direction	Analogue Input	Horizontal - 60,80,100° swing
	Filter Sign	Digital Input	Normal/Reset
<b>Monitor</b>			
	On/Off	Digital Output	Run/Stop
	Mode Operation	Analogue Output	Cool / Dry / Heat / Auto / Fan
	Setpoint Adjustment	Analogue Output	Cooling 19-30°C, Heating 17-28°C, Auto 19-28°C
	Fan Speed Control	Analogue Output	Lo-Mi1-Mi2-Hi
	Permit / Prohibit	Digital Output	On/Off, Mode, Setpoint
	Airflow Direction	Analogue Output	Horizontal - 60,80,100° swing
	Fault Code	Analogue Output	4 Character code - Indicates all unit alarms
	Filter Sign	Digital Output	-
	Room Temperature	Analogue Output	-

\*NOTE 1: Applicable with AG150 / PAC-SC51KUA or GB50