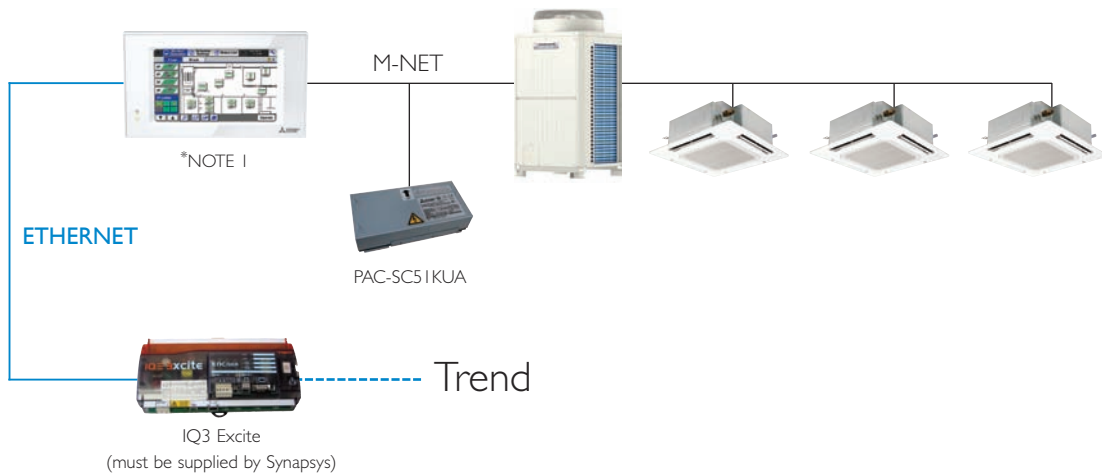# BEMS Trend Interface

Trend IQ3 Excite

Mitsubishi Electric and Synapsys Solutions have been working together for the last six years to offer very competitive solutions for Trend users. The IQ3 Excite Interface has been modified by Synapsys Solutions to work directly in conjunction with the AG150 and GB50 centralised controllers. This allows Trend users to easily integrate Trend systems with Mitsubishi Electric air conditioning.

M-NET

*NOTE 1

ETHERNET

PAC-SC51KUA

IQ3 Excite
(must be supplied by Synapsys)

Trend

Technical Information

TREND INTERFACE

FUNCTION	IQ3 EXCITE	COMPATIBLE WITH
MAX No. OF INDOOR UNITS	50	Trend only
CENTRALISED CONTROLLER REQUIRED	Yes (AG150 or GB50)	
POWER SUPPLY	240VAC	
COMPATIBILITY	City Multi Mr Slim via PAC-SF81MA M Series via MAC-399IF	
BEMS CONNECTION	Ethernet via HUB	
DIMENSIONS - mm (WxDxH)	263x42x130	

IMPORTANT NOTE: The IQ3 Excite Interface can only be supported by Synapsys Solutions (Tel: 01273 831831)

TREND INTERFACES

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

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