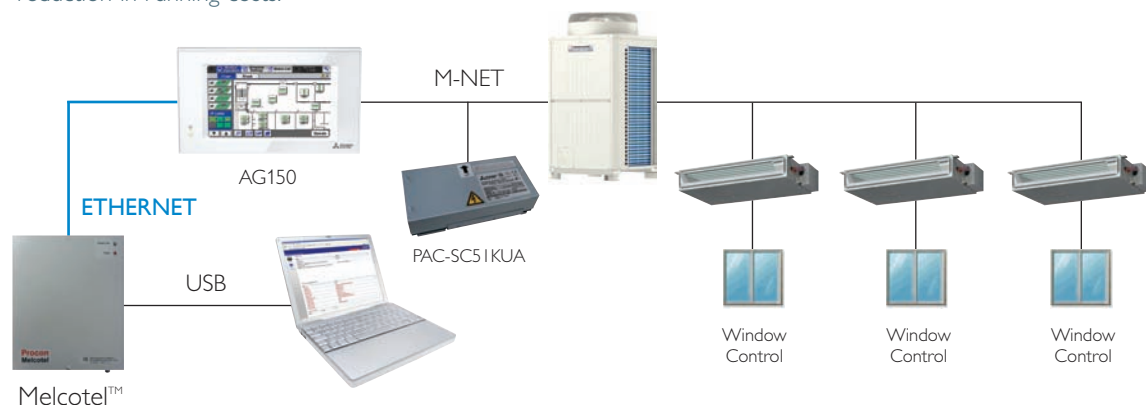# AG150/GB50 Melcotel™ Hotel Interface without Key Card System

The Melcotel™ controller allows a hotel (for example) to have more accurate control over its air conditioning. When the unit has been switched ON by a user, the room is deemed as occupied and the Melcotel™ resets the air conditioning to predetermined settings (for instance AUTO, 21°C). After a preset time, the Melcotel™ will switch OFF the unit automatically. When the room is unoccupied, the Melcotel™ will monitor the temperature in the room. If the temperature is too low or too high, the Melcotel™ will restart the unit. The Melcotel™ also offers temperature adjustment facility based on the outside temperature and window open control, that allows the air conditioning to be switched off and controlled centrally when a window is opened. All of these functions provide a higher level of control and therefore more energy saving and a reduction in running costs.

M-NET

AG150

ETHERNET

USB

PAC-SC51KUA

Window Control   Window Control   Window Control

Melcotel™

Technical Information

MELCOTEL™

FUNCTION	DESCRIPTION
MAX No. OF INDOOR UNITS	Up to 250 indoor units
TIME TO SWITCH ON	<30s
ON/OFF	Run and Stop operation for a single group
MODE SELECTION	Switches between Cool/Dry/Auto/Fan/Heat. Operation Mode will vary depending on the indoor unit. Auto mode is available with only R2 and WR2 systems
TEMPERATURE SETTING	Sets the groups temperature control. Cool/Dry: 19-30°C, Heat: 17-28°C, Auto: 19-28°C
OCCUPIED ROOM SETTING	Configurable. ON, AUTO, 21°C (Factory setting)
UNOCCUPIED ROOM SETTING	If the temperature is below 16°C the Melcotel™ restarts the unit to ON, HEAT, 19°C and stops the unit when the temperature has reached 18°C (Factory setting) If the temperature is above 26°C the Melcotel™ restarts the unit to ON, COOL, 21°C and stops the unit when the temperature has reached 24°C (Factory setting)
SEASONS	Up to 4 seasons can be set-up to allow different occupied and unoccupied settings (Setpoint and mode)
OPTIONAL WINDOW CONTACT	If a window sensor is wired to the indoor unit, the Melcotel™ will automatically switch OFF the indoor unit when the window is opened
AUTOMATIC SETPOINT	The Melcotel™ will offset the occupied setpoint depending on the temperature outside (outdoor sensor supplied)
AUTO SWITCH OFF	6 Off times can be preset to regularly switch OFF the indoor unit
ADJUSTMENT NIGHT TIME OFFSET	During the night the Melcotel™ can offset the setpoint or just switch OFF the unit
INDOOR UNIT CONNECTION	The window contact is connected back locally to CN32. PAC-SA89TA required for each indoor unit
SOFTWARE	The Melcotel™ Configuration Manager allows the installer to set-up the interface using a USB cable. The Melcotel™ Live Status allows the user to monitor all the different values, for instance, Setpoint, Mode, Window Contact etc
FIRE ALARM	Units will be switched off and the remote controller will be locked under fire alarm condition
POWER SUPPLY	240 VAC 2A
COMPATIBILITY	GB50 and AG150, but City Multi only
DIMENSIONS - mm (WxDxH)	300x70x350

DEMONSTRATION

Visit **www.melcotel.co.uk** for more details