

microtrol

AIR CONDITIONING BMS INTERFACE RANGE 2012



BLACK PEAR





Air Conditioning to BMS direct - One plug-and-play box does it all- beautifully.

Microtrol's innovative new interfaces provide direct connectivity between the standard 2-wire buss of air conditioning equipment and a range of BMS systems.

Manufacturers of quality BMS interfaces for over 15 years Microtrol are proud to announce their new Black Pear range of interfaces.

British made, easy to use and easy on the pocket the interfaces can in many cases reduce the box count associated with BMS integration, bringing with that significant cost reductions with no sacrifice of performance.

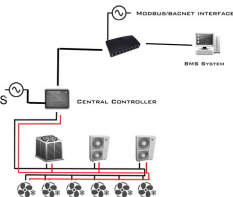
The Black Pear air conditioning units offer a range of solutions which include Modbus, BACnet and Trend interfaces.

The data is derived from a portfolio of manufacturers' air conditioning protocols encompassing both the standard manufacturer's interfaces and direct connection to the system 2-wire communications buss*.

Modules are offered both with and without a bright 160 x 160 graphic display providing a comprehensive engineering control interface.

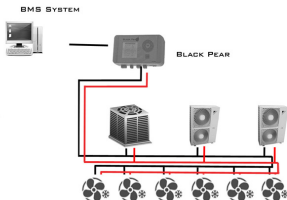
Traditional BMS Interfacing

The traditional route uses a central controller and power supply which provides the A/C information on a specialist protocol. This then needs a further interface to make the data accessible to BMS systems such as BACnet, Modbus etc.



Welcome the BLACK PEAR Solution

The Black Pear 2-wire solution connects directly to the core A/C Buss providing both a central controller and BMS interface in a single 24v powered unit.

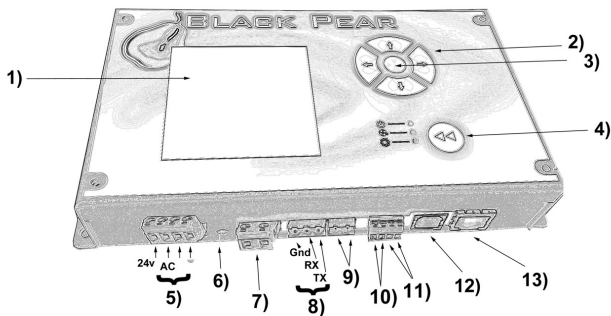


Further Solutions

Other Black Pear modules are available for economical interfacing on systems which are already equipped with a central controller.

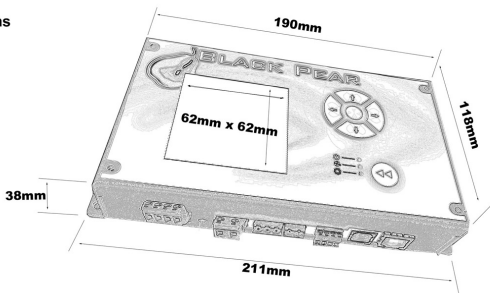


Specifications



- | | |
|-------------------------------|----------------------------|
| 1) Backlit graphic LCD screen | 8) RS232 Comms |
| 2) Navigational Buttons | 9) RS484 Comms |
| 3) OK/Accept | 10) Enable input |
| 4) Cancel/Return | 11) Digital Output |
| 5) Power Supply | 12) USB |
| 6) HVAC Network | 13) 10/100 Base-T Ethernet |

Dimensions





Product Brief Specifications

Protocols supported:-

Modbus RTU
Modbus/TCP
BACnet/IP
Trend IQ3 supervisor port

Air conditioning Interfaces supported:-

Direct connection to manufacturers' 2-wire core network
XML
Modbus
RS485 Special Protocols

Power Requirement:-

24v a.c. 5VA

Operator Interface:-

160x160 Graphic LCD 60x60mm
6 Button Keypad

Communications Connections:-

Ethernet
RS232
RS485
A/C 2-Wire Buss

Dimensions:-

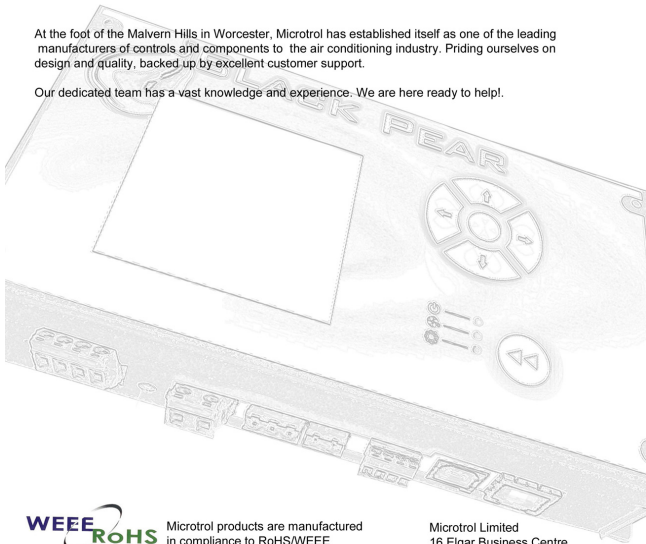
200 x 100 x 40mm

microtrol

Electronic Development and Design at its best.

At the foot of the Malvern Hills in Worcester, Microtrol has established itself as one of the leading manufacturers of controls and components to the air conditioning industry. Priding ourselves on design and quality, backed up by excellent customer support.

Our dedicated team has a vast knowledge and experience. We are here ready to help!



WEEE
ROHS

Microtrol products are manufactured
in compliance to RoHS/WEEE
European directives

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Note: Due to our policy of continuous development, all features and specifications are subject to change without notice.