

ISOLATION SWITCH

THE 4 POLE IP RATED ISOLATOR SWITCH IS TO BE FITTED NEXT TO THE CHIMNEY FAN LOCATION NO MORE THAN 1M AWAY.

PLEASE NOTE:

WIRING BETWEEN ISOLATION SWITCH AND BOILER ROOM CONTROL POSITION AND FROM CONTROL TO MAINS SUPPLY IS ALWAYS TO BE DONE BY OTHERS UNLESS OTHERWISE AGREED. IF OUR ENGINEER IS RUNNING THE CABLE FROM THE FAN ISOLATION SWITCH TO THE EBC20 CONTROL THEN THE ROUTE THROUGH THE BUILDING **MUST BE AGREED WITH THE CHIMFLUE SALES ENGINEER AT THE TIME OF SITE SURVEY. ACCESS MUST BE SAFE AND ALL BUILDERS WORK SUCH AS HOLE CUTTING AND SUB-SURFACE CHASING MUST BE COMPLETE BEFORE OUR ELECTRICAL ENGINEER'S DUE DATE ON SITE.**

IF THE AGREED ROUTE OR METHOD IS CHANGED THEN OUR CHIMFLUE LTD SALES ENGINEER MUST BE INFORMED SO THAT WE CAN QUOTE TO COVER THE COST OF RUNNING EXTRA CABLE OVER THE SPECIFIC DISTANCE INVOLVED.

THE EBC20 MAY BE SURFACE MOUNTED ON THE WALL OR FLUSH MOUNTED IN THE WALL IF A SUITABLE BACK BOX IS FITTED BEFORE OUR ELECTRICAL ENGINEER ARRIVES ON SITE.

THE EBC20 CONTROLLER REQUIRES A 230 VOLT 50Hz POWER SUPPLY WITH A FUSED SPUR AND EXTERNAL SWITCH WITHIN A 5 METER RADIUS OF THE CONTROLLER'S PROPOSED FITTING LOCATION.

THIS MUST BE IN PLACE PRIOR TO OUR WIRING AND COMMISSIONING DATE.

PLEASE NOTE:

IF THE DISTANCE TO THE 230V FUSED AND SWITCHED SPUR IS GREATER THAN THE ALLOWED FOR 5M THEN OUR CHIMFLUE LTD SALES ENGINEER MUST BE INFORMED SO THAT WE CAN QUOTE TO COVER THE COST OF RUNNING EXTRA CABLE OVER THE SPECIFIC DISTANCE INVOLVED.

NOTE:

THE XTP SENSOR PROBE (COMES WITH EBC20) AND REGISTERS THE CHANGE IN PRESSURE WITHIN THE FLUE HEADER. THE PRESSURE TRANSDUCER SWITCH BOX IS SEPARATE TO THE MAIN EBC20 CONTROL BOX AND IS MOUNTED NEAR THE HEADER WITH A SILICONE TUBE RUNNING FROM IT TO THE COPPER MEASURING PROBE THAT IS INSERTED INTO THE HEADER.

EBC20 CONTROL



NOTE:
THE EBC20 CONTROL IS SUITABLE FOR USE WITH UP TO TWO BOILERS - THE ADDITION OF AN ES12 RELAY BOX WILL ENABLE UP TO FIVE BOILERS TO BE CONTROLLED VIA THE EBC20.

EBC20
General
Product code EBC20EU01
Height x width x depth 204x240x77mm
Weight 1.62kg
Protection class / casing material IP54 / Polycarbonate
Voltage (A) 230 VAC ±10%, 50Hz ±1%
Power consumption 475W (3.7A)
Fuse (B) T4A
Temperature -20°C to 60°C
Monitoring range -500Pa to +500Pa
Inputs
Digital inputs (DI1 & DI2) (C) 10V to 230V, AC/DC
Pressure sensor, input (XTP) 0 to 10VDC, 20mA
Pressure switch input (PDS) 24VDC, 20mA
Outputs
Digital output relays (DO1 & DO2) (B) 250VAC, 8A (AC3)
Motor regulator Supply voltage -3%, 3A (AC3)
Motor start/stop relay 250VAC, 8A (AC3)
Control signal 0-10VDC 20mA
24VDC power supply 100mA
Alarm output relay 250VAC, 8A (AC3)
XTP sensor
Height x width x depth 75x92x49 mm
Protection class: IP54
Temperature 0°C to 70°C

230V 50Hz FUSED SPUR & EXTERNAL SWITCH MAINS SUPPLY.

BY OTHERS.

RSV FAN UNIT

ANCHOR CABLE.

FAN MOUNTING PLATE AND LINER ADAPTOR SPIGOT.

3 CORE 1.5mm EXTERNAL CABLE.

IMPORTANT NOTES:

THE INFORMATION GIVEN ON THIS CHIMNEY FAN INSTALLATION. ADVICE SHEET IS CRUCIAL TO THE SUCCESSFUL WIRING AND COMMISSIONING OF YOUR CHIMNEY FAN.

THE PREPARATORY WORKS AND BASIC WIRING REQUIREMENTS OUTLINED HERE MUST BE IN PLACE BEFORE OUR INSTALLATION ENGINEERS AND ELECTRICAL ENGINEERS ARRIVE ON SITE TO CARRY OUT THE FINAL WIRING AND COMMISSIONING.

THE INSTALLATION WILL TYPICALLY BE TWO PHASE AS FOLLOWS...

PHASE 1:

INSTALLATION ENGINEERS FIT CHIMNEY FAN, LINER AND ASSOCIATED ANCILLARIES.

PHASE 2:

ELECTRICAL ENGINEER ARRIVES TO CARRY OUT FINAL WIRING, TEST AND COMMISSION OF FAN AND CONTROLS BEFORE HANDOVER.

MEANS OF ACCESS TO THE CHIMNEY TOP MUST BE SAFE AND MUST REMAIN IN PLACE UNTIL FINAL COMMISSION AND HANDOVER.

PERMANENT POWER MUST BE IN PLACE AND AVAILABLE AS OUTLINED ON THIS ADVICE SHEET FOR WIRING AND COMMISSIONING TO TAKE PLACE.

UNLESS OTHERWISE STATED ANY QUOTATION IS FOR A SINGLE VISIT TO CARRY OUT THE PHASE 2 COMMISSIONING WORK. UNFORTUNATELY IF THIS VISIT IS ABORTED DUE TO ANY OUTSTANDING PREPARATORY WORK OR REQUIREMENTS SUCH AS LACK OF SAFE ACCESS OR LACK OF A SUITABLE LOCAL POWER SUPPLY WE WOULD HAVE TO MAKE AN ADDITIONAL CHARGE TO COVER THE COST OF A RETURN VISIT OR RECEIVE A SIGNED VARIATION ORDER TO CARRY OUT ADDITIONAL WIRING FOR EXAMPLE WHERE THIS IS POSSIBLE.

WE DO NOT CARRY OUT ANY CABLE / CONDUIT CHASING OR BACK BOX FITTING FOR FLUSH MOUNTING OR OTHER BUILDERS WORK UNLESS WE HAVE SPECIFICALLY QUOTED TO DO SO. ANY CONDUIT FITTED IN PREPARATION FOR OUR PHASE TWO WIRING AND COMMISSIONING VISIT MUST HAVE DRAW STRING PRE-FITTED.

1 - 5 APPLIANCES OIL FIRED / GAS ATMOSPHERIC.

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AS QUOTATION

Drawing Title

RSV014 FAN CONFIGURATION FOR OIL FIRED & GAS ATMOSPHERIC APPLIANCES.

Project

TYPICAL LAYOUT: WIRING / ACCESS / BUILDER'S WORK ADVICE SHEET.

Engineer	Date	Scale
RT	08/01/08	NTS
Checked	Drawing No.	