

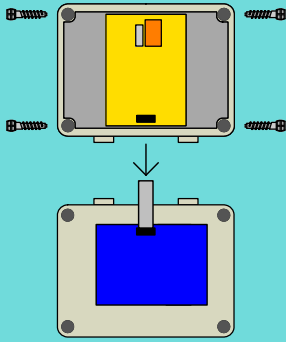
# INSTALL



# START

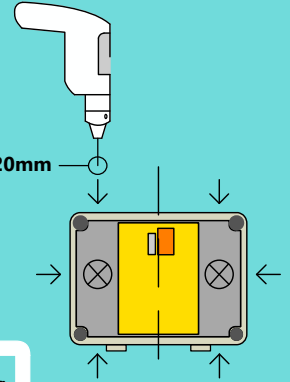
## 1. PREPARE

Undo all four screws from each corner. Disconnect ribbon cable. Close the lid and gently push down towards the hinges, then remove.



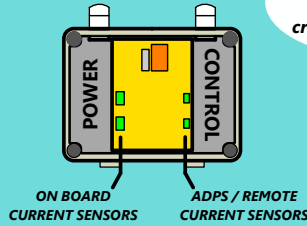
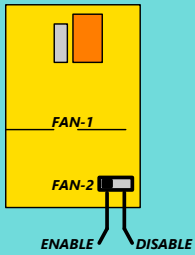
## 2. DRILL

Drill cable entry points for POWER and CONTROL wiring. Drill out fixing points ready to mount unit on to wall.



## 5. SET UP

For two-fan systems keep FAN-2 selector switch set to ENABLE. For single fan systems set FAN-2 selector switch to DISABLE.



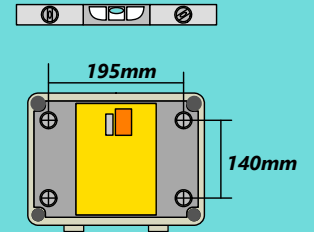
Keep power & control cables separate & crossovers to a minimum

## 4. WIRE-UP

Install M20 cable entry glands (IP56 or above). Wire POWER wiring through POWER entry point. Wire CONTROL wiring through CONTROL entry point.

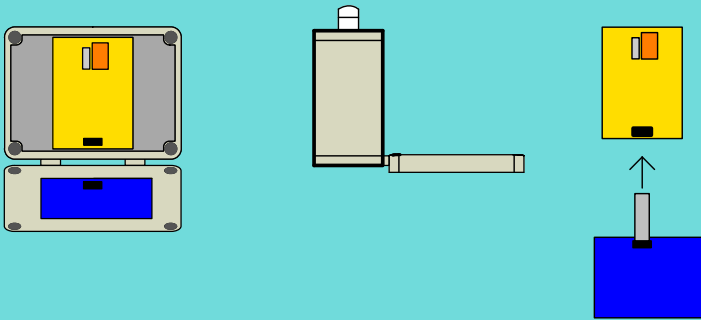
## 3. FIX

Fix unit using correct fixings for wall.

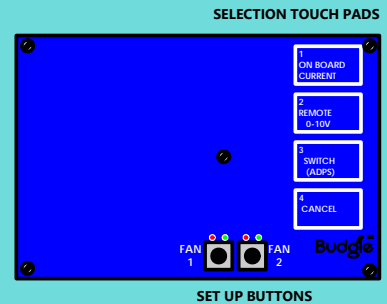


## 6. ATTACH LID & RIBBON CABLE

Re-attach the fascia by sliding the hinges together, as detailed below.



Re-attach ribbon cable to main board



## 7. FINAL CHECK & POWER UP

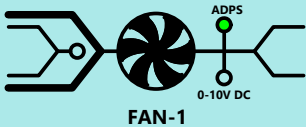
Final safety check, taking care to check wiring. Enable power to unit, then the Budgie is ready for commissioning.

# COMMISSION

## ADPS

PRESS & HOLD FAN-1 SET UP BUTTON FOR 3 SECONDS UNTIL THE BUDGIE BEEPS & FAN-1 SET UP LIGHT TURNS GREEN.

SELECT OPTION 3 'SWITCH' ON THE TOUCH PAD AREA AND THE ADPS LIGHT ON THE MAIN CIRCUIT BOARD WILL ILLUMINATE.



FAN-1

PRESS & HOLD FAN-1 SET UP BUTTON AGAIN TO EXIT

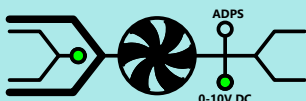
REPEAT FOR FAN-2 IF NEEDED.

## SINGLE SPEED FANS

FIRST ENSURE THAT THE FAN(S) ARE RUNNING AT MAXIMUM SPEED, ALLOW TIME FOR SPEED TO SETTLE.

PRESS & HOLD FAN-1 SET UP BUTTON FOR 3 SECONDS UNTIL THE BUDGIE BEEPS, FAN-1 SET UP LIGHT WILL TURN GREEN.

SELECT OPTION 1 'ON BOARD CURRENT' FOR ON BOARD CURRENT SENSORS OR OPTION 2 'REMOTE 0-10V' FOR REMOTE CURRENT SENSORS. EITHER THE ON BOARD CURRENT SENSOR LIGHT OR THE 0-10V LIGHT WILL ILLUMINATE DEPENDING ON YOUR SELECTION.



FAN-1

WAIT 5 SECONDS FOR THE FIRST BEEP, THEN PRESS & HOLD THE SET UP BUTTON AGAIN TO EXIT.

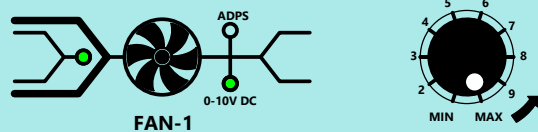
REPEAT FOR FAN-2 IF NEEDED.

## VARIABLE SPEED FANS

FIRST ENSURE THAT THE FAN(S) ARE RUNNING AT MAXIMUM SPEED, ALLOW TIME FOR SPEED TO SETTLE.

PRESS & HOLD FAN-1 SET UP BUTTON FOR 3 SECONDS UNTIL THE BUDGIE BEEPS & FAN-1 SET UP LIGHT TURNS GREEN.

SELECT OPTION 1 'ON- BOARD CURRENT' FOR ON BOARD CURRENT SENSORS OR OPTION 2 'REMOTE 0-10V' FOR REMOTE CURRENT SENSORS. EITHER THE ON BOARD CURRENT SENSOR LIGHT OR THE 0-10V LIGHT WILL ILLUMINATE DEPENDING ON YOUR SELECTION.



FAN-1

WAIT 5 SECONDS FOR THE FIRST BEEP, THEN SLOWLY REDUCE THE FAN SPEED BY ONE SPEED INTERVAL, AND WAIT FOR THE NEXT BEEP (4 SECONDS) BEFORE TURNING DOWN TO THE NEXT SPEED INTERVAL.

WHERE POSSIBLE REPEAT THIS APPROXIMATELY 8 TO 10 TIMES IN TOTAL, TAKING CARE NOT TO RUSH THE COMMISSIONING PROCESS, UNTIL THE SPEED IS AT MINIMUM. ONCE ALL OF THE SPEED INTERVALS HAVE BEEN RECORDED YOU MAY NOW PRESS & HOLD THE SET UP BUTTON AGAIN TO EXIT.

REPEAT FOR FAN-2 IF NEEDED.



# USER GUIDE

## LIGHTS

## BUTTONS

### EMERGENCY LIGHT

Flashes RED on FIRE ALARM  
Flashes RED when GAS SHUT-OFF activated  
Flashes RED when REMOTE GAS SHUT-OFF activated

### GAS SHUT-OFF

PUSH to shut-off gas in an emergency  
TWIST to release when safe to do so

### GAS LIGHT

RED when gas is OFF  
GREEN when gas is ON

### START

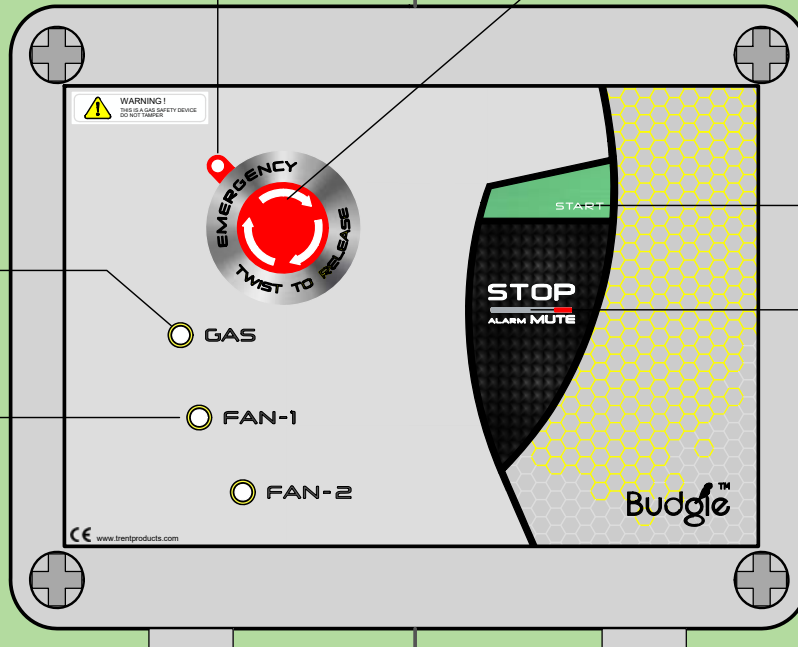
PRESS to Start

### FAN LIGHTS

RED when fan is OFF or requires attention  
Flashing RED when a fan has caused the unit to trip  
Flashing GREEN and RED while running when fan requires immediate attention  
Flashing GREEN when a fan has caused the unit to trip, but now has been rectified  
GREEN when ventilation and fans are okay

### STOP / ALARM MUTE

PRESS and hold for TWO SECONDS to Stop  
PRESS to Mute Alarm



**Budgie**™

## TROUBLESHOOTING

### IMPORTANT NOTE



Please note that fault finding should only be carried out by a competent person. Diagnosis and fault finding on live appliances carries the risk of serious injury or death from electric shock. If in doubt contact your Budgie supplier for further information and technical assistance

PROBLEM	SOLUTION
No fan or gas lights on	Check power supply to unit, mains cables and terminals Check that the ribbon cable is connected at both ends Open unit and check to see if the fault light is on (see fault light solution)
Fan lights are RED	Check fans are switched on Check that there are no obstructions in the ductwork and that filters are not blocked Check the current drawn by the fan is within the commissioned values, these can be found recorded on the side of your Budgie If using a 0-10V remote current sensor, check to see that voltage is getting back to the fan channel terminals If using ADPS's check that the switches are operating correctly
Fan light flashes GREEN and RED while gas is still on	This indicates that the system is getting close to its set tolerances, check fans and ventilation to identify and resolve the fault before the gas cuts off
Emergency light is flashing RED	Check if any remote emergency gas shut off buttons are pressed in Check that the fire alarm circuit has continuity Check that the Gas Shut Off button is functioning correctly and that the wires on the facia circuit board are connected
Fan lights and gas lights are GREEN but there is no gas	Check wiring to gas solenoid valve and check that gas solenoid valve is operating correctly
The HEARTBEAT light on the main circuit board NOT flashing	This indicates that the main processor is carrying out the required safety checks, if this light is not flashing check ribbon & power cables
FAULT light stays ON	This is a self diagnostic tool and indicates that there is a hardware fault, please contact your Budgie supplier for a replacement