

MULTIGLOW
FIRES



VISTA

BURNER

DECORATIVE FUEL EFFECT APPLIANCES FOR USE WITH
NATURAL GAS & LPG

INSTALLATION, SERVICING & USER INSTRUCTIONS

THESE INSTRUCTIONS MUST BE LEFT WITH THE USER

MANUFACTURED BY:
MULTIGLOW FIRES

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MULTIGLOW 
FIRES

PLEASE READ THESE INSTRUCTIONS FULLY BEFORE COMMISSIONING OR USE

CONFORMITY

Because Multiglow Fires believe in the use of modern technology and materials, they reserve the rights to modify or change the layout and controls of their burner trays, at any time, whilst still complying with current specifications.

Therefore these 'Instructions' are a general guide only and not specifically in compliance with the shape or size of your appliance. These units must be installed in line with the current '**GAS SAFETY (INSTALLATION AND USE) REGULATION**' applicable to the country of use.

NOTE: For the safe and efficient operation of this appliance, it must be installed inline with the current British Standard (BS 5871:PART 3) or the equivalent standard for the country of use and take into account the Local and national building regulations or bylaws where necessary.

NOTE: This appliance has been designed for use on NATURAL GAS or LIQUEFIED PETROLEUM GAS.
WARNING: Natural Gas and Liquefied Petroleum Gas appliances are **NOT** inter-changeable.

Prior to installation, ensure that the distribution conditions (identification of the type of gas and pressure) and the adjustment of the appliance are compatible.

NOTE: This appliance has been designed to operate with **GREEK DOLOMITIC MARBLE 18mm CHIPPING. No other product is to be burnt on this appliance**

NOTE: Multiglow Fires will **not** accept any liability or responsibility for a appliance that has been installed outside of the technical data specified in this manual and is not in agreement with the above statements.

GENERAL NOTES

SECTION 1

The MUTIGLOW VISTA is a Decorative Fuel Effect (D.F.E.) primary aerated gas fire designed to comply with BS EN 509:2000 and is intended for decorative use only. It has been designed to operate on Natural Gas (N.G.) and Liquefied Petroleum Gas (LPG) and must be fitted on a non-combustible hearth in a standard builders opening, with a class 1 chimney in compliance and satisfying the requirements of BS 5871- PART 3. The appliance has been tested and approved with a flue of 8" (203mm) diameter and having a minimum effective height of 10ft. (3mtrs.)

The MULTIGLOW VISTA conforms to the relevant Safety Standards but during use there are naked flames and parts of the casing become hot. A suitable guard to (BS.6539 fireguards for use with solid fuel appliances) is therefore recommended where the young, elderly or infirm are concerned.

NOTE: The larger of the units manufactured have gas consumption similar to that of a small boiler (i.e.50000 BTU). Therefore, it is essential that the gas supply pipe work be of a size that will allow for the correct flow rate (See **TECHNICAL DATA** for required information). Ideally the 8mm connection pipe to the burner should be as short as possible and the maximum length should not be greater than 1mtr. Also ensure that the isolating tap does not have a reduced bore.

SECTION 2

TECHNICAL DATA

GAS TYPE G20 @ 20 mBAR CATEGORIES I2H, I2E AND I2E+

SIZE	A	B	C
SURFACE AREA IN CM SQ.	1260	1820	2340
HEAT INPUT (GROSS K.W)	19.34	19.34	19.34
FLOW RATE (M3/HR)	1.84	1.84	1.84
WORKING "P" (mBAR)	20	20	20
BURNER TEST "P"	15.3	15.3	15.3
VALVE MULTI-FUNCTIONAL	245322	245322	245322
VALVE INLET CONNECTION	½"BSP	½"BSP	½"BSP
PILOT OXY DEPLETION DEVICE	P4-71	P4-71	P4-71
INJECTOR	16/1700	16/1700	16/1700
18mm MARBLE CHIPPINGS	8kg.	12kg.	16kg
	AFFIXED TO BURNER TRAY		

NOTE: Size circled corresponds to this appliance.

GAS TYPE G25 @ 25 mBAR CATEGORY I2L

SIZE	A	B	C
SURFACE AREA IN CM SQ.	1260	1820	2340
HEAT INPUT (GROSS K.W)	17.6	17.6	17.6
FLOW RATE (M3/HR)	1.94	1.94	1.94
WORKING "P" (mBAR)	25	25	25
BURNER TEST "P"	19.1	19.1	19.1
VALVE MULTI-FUNCTIONAL	245322	245322	245322
VALVE INLET CONNECTION	½"BSP	½"BSP	½"BSP
PILOT OXY DEPLETION DEVICE	P4-71	P4-71	P4-71
INJECTOR	16/1700	16/1700	16/1700
18mm MARBLE CHIPPINGS	8kg.	12kg.	16kg
DATA PLATE	AFFIXED TO BURNER TRAY		

NOTE: Size circled corresponds to this appliance.

GAS TYPE G31 @ 37 mBAR CATEGORY I3p

SIZE	A	B	C
SURFACE AREA IN CM SQ.	1260	1820	2340
HEAT INPUT (GROSS K.W)	14.00	15.00	18.00
FLOW RATE (M3/HR)	0.52	0.54	0.67
WORKING "P" (mBAR)	37	37	37
BURNER TEST "P"	34.9	35.8	33.9
VALVE MULTI-FUNCTIONAL	248306	248306	248306
VALVE INLET CONNECTION	½"BSP	½"BSP	½"BSP
PILOT OXY DEPLETION DEVICE	P4-74	P4-74	P4-74
INJECTOR	10/480	10/500	10/540
18mm MARBLE CHIPPINGS	8kg.	12kg.	16kg
	AFFIXED TO BURNER TRAY		

NOTE: The appliance has been tested and approved with a flue of 8" (203mm)

INSTALLATION PARAMETERS

SECTION 3 – REGULATIONS AND CODE OF PRACTICE

- 3.1** In your own interest and safety it is law that all gas appliances are installed by a competent person, in accordance with the current Gas Safety (Installation and Use) Regulations applicable to the country of use. In addition, the installation must be carried out in-accordance with the relevant and current local and national specifications and building regulations.
- 3.2** The fireplace surround, hearth and builders opening shall be of non-combustible material. Hearth and clearance dimensions must comply with the requirements of BS 5071 part 3.
WARNING: This appliance must not be fitted in any room where steam is present (e.g. bathroom).
- 3.3** The appliance must be mounted behind a non-combustible hearth and be 50mm (2") above floor level to discourage the over-laying of carpets or rugs etc.
- 3.4** The minimum clearance height above fireplace opening for a combustible shelf (having a depth of 150mm (6") is 200mm (8"), add 12mm (½") for each additional 25mm (1") depth of shelf.
WARNING: Please note that soft wall coverings may become discoloured when close to a heating appliance – this should be born in mind.
- 3.5** The minimum flue opening is 203mm (8") diameter and a minimum effective height 3m (10ft). Provided that the flue, which is to serve this appliance, satisfies the requirements of BS 5871:Part 3 then a terminal in-line fan satisfying BS 5440: Part 1 may be used to improve flue draught.
WARNING: The flue must **NOT** be shared with any other appliance.
- 3.6** All chimney dampers or restrictions should be removed or permanently fixed in the open position.
WARNING: If the fireplace has previously been used with a solid fuel the flue should be swept clean prior to installation.
- 3.7** The room in which the appliance is to be fitted must have permanent air vent with a minimum effective area of 100cm. Sq. (15½ sq. inches) and be accessible to the outside air, unless specifically stated otherwise by the manufacturer.
NOTE: Vent should be checked on a regular basis to ensure that there is no obstruction.

PRE-INSTALLATION CHECK

SECTION 4 FLUE SOUNDNESS

- 4.1** Using a smoke bomb, carry out a flue flow test to check the effectiveness of the flue and ensure that there is no leakage into another part of the premises (including any loft) or, as appropriate, other adjoining premises.
NOTE: Although a smoke pellet produces a large amount of smoke, the volume is small compared with the volume of the combustion products from an appliance. Clearance of smoke from a pellet is, therefore, no guarantee that the products of combustion from the appliance will clear. This must be tested after the installation is completed by carrying out a spillage test
WARNING: Smoke coming out of other than the correct terminal, or a down-draught or no-flow condition, indicates as unsatisfactory flue. The flue may need attention – seek expert advice.

VENTILATION

- 4.2** In line with 3.7 above, make sure that the room or space where the appliance is located is adequately ventilated and that the means of ventilation is suitable.
NOTE: The size and type of ventilation should take into account any other gas appliance that may be fitted in the room or space

4.3 GAS SOUNDNESS

“An isolation valve, or valves, has to be fitted adjacent to the appliance, which when closed allows the complete burner and control assembly to be disconnected for maintenance or repair in accordance with national regulations”

COMPATIBILITY

4.4 Before commencing installation, check that the local distribution conditions (identification of type of gas and pressure) and the adjustment of the appliance are compatible.

IGNITION CHECK

4.5 This appliance is fitted with a electronically controlled ignition system. Therefore an ignition check cannot be carried out prior to full installation. Care must be taken when installing this appliance and the spark ignition checked prior to the gas supply being turned on.

Section 5- INSTALLATION

The fire must be fitted on a flat non combustible base
Also a non combustible hearth or physical barrier
should be placed in front of the fire opening where
relevant.

This appliance is not fitted with an integral guard. In normal use consideration may be given to the use of a fire guard, which conforms to BS6539, such that accessibility to the naked flame produced by the appliance is minimised.

It may not be desirable with a hole in the wall situation
to include a hearth with the appliance installation.
Building Regulation Approved Document J currently
states:-

A Appliances should be placed on a hearth unless:
They are installed so that every part of any flame
or incandescent material will be at least 225mm
Above the floor

Or

B. The manufacturers instructions state that a
Hearth is not required
Multiglow Fires recommend that a hearth or
physical barrier is installed with this appliance
However should you decide not to follow the
recommendation and do not fit a hearth or
barrier or decide to remove one or both.
Then consideration as to the safety of the
occupants of the room should be given.

5.1 MARBLE CHIPPINGS PLACEMENT.

The Marble Chippings supplied and used with this appliance must comply to the following specification **NO other material must be used.**

MATERIAL : GREEK DOLOMITIC MARBLE [GRADED 12-20 mm]

PHYSICAL AND MECHANICAL PROPERTIES				
APPARENT SPECIFIC WEIGHT	Kg/m ³	2850	MODULAS OF ELASTICITY tn/cm ²	740
ABSORPTION COEFFICIENT	wt%	0.23	ABRASION RESISTANCE mm	6.58
COMPRESSIVE STRENGTH	Kg/cm ²	990	MICROHARDNESS KNOOP Kg/mm ³	321.6
MODULUS OF RUPTURE	Kg/cm ²	132		

TABLE GIVING MASS IN Kg. PER SIZE OF APPLIANCE

SIZE	A	B	C
MASS IN Kg.	8	12	16

The Marble Chippings must be spread evenly across the entire burner bed. **Only use the amount of material specified in the table above for the given size of appliance.**

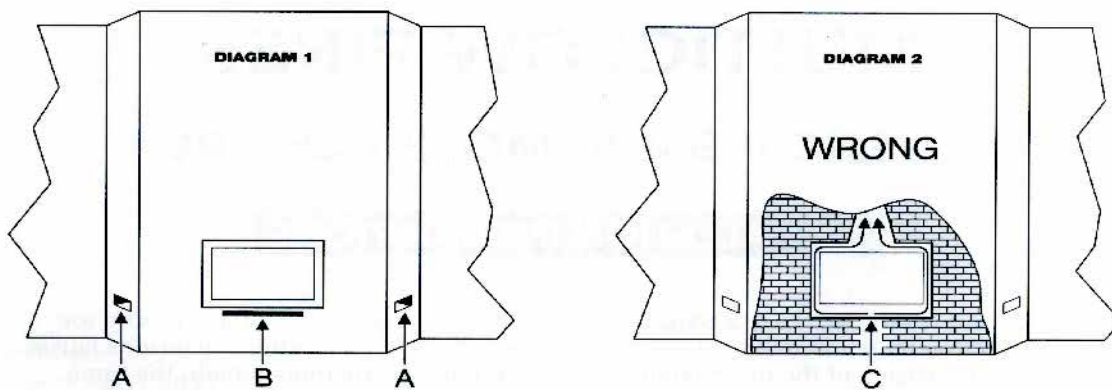
CONTENTS CHECKLIST

1. 1 x Box (if ordered)
2. 1 x Spigot (if ordered)
3. 1 x Burner
4. 1x Pack of Marble Chippings
5. 1x 240v /24v isolating transformer
6. 1x Control Box & Modubox
7. 1 x Remote Control Handset
8. 1x 1 meter 8mm Copper Pipe
9. 1x Nut and Olive for 8mm Inlet Pipe

Preparing the Fireplace Opening

1. Create an opening for the fire.
 - 1.1 For size A the required size is:
1100mm wide x 310mm high x 190mm deep
 - 1.2 For size B the required size is:
1150mm wide x 310mm high x 230mm deep
 - 1.3 For size C the required size is:
1500mm wide x 235 mm high x 245 mm deep
2. The base of the opening must be flat and level.
3. Route the gas supply feed inside the fireplace
4. For ventilation to underside of burner see instructions on
Next page.

Hole in the Wall Instructions



VENTILATION

When installing a raised chamber fire it is critical to ensure that the ventilation to the fire for combustion and cooling purposes is carefully thought through. Failure to do so may invalidate your warranty.

FOR COOLING PURPOSES

The requirement is that air is drawn from the room into the cavity below the burner and up through the vents at the back of the chamber, then up the flue. This will keep the control equipment below 70°C - the manufacturers recommendation.

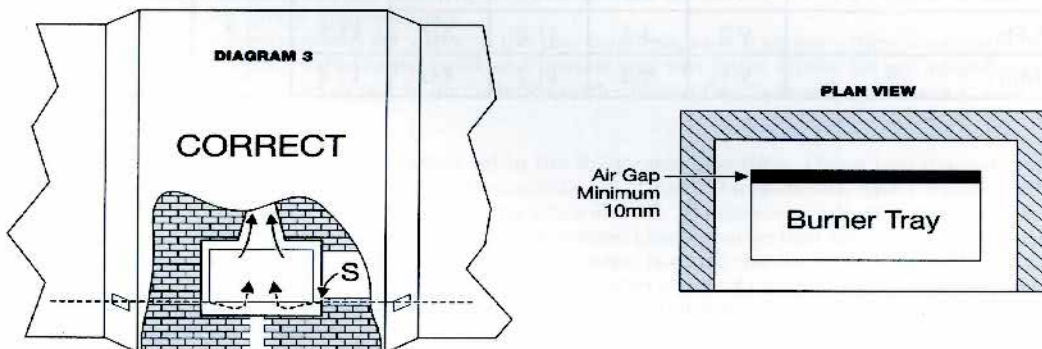
Refer to diagram 1 which identifies where ventilation holes may be located. It is recommended that location "A" is chosen for aesthetic reasons. A proprietary grille should be used here. The ventilation must be at least 100sq cm free area in total. In all cases it is essential that the cavity marked "C" in diagram 2 is sealed as shown by arrow "S" in diagram 3, thus preventing the chance of air flow in the wrong directions as shown.

FOR COMBUSTION PURPOSES

The requirement is that air is drawn into the chamber from the room and then up the flue.

1. Decide where the gas supply will feed to and from.
2. Decide where the steel chamber will sit and any incandescent materials are at least 225mm above the floor, then a hearth may not be required.
3. However building regulation document J, paragraph 3.40 currently states. An appliance shall be placed on a hearth unless:
 - a) They are installed so that every part of any flame or incandescent material will be at least 225 mm above the floor; or
 - b) The manufacturers instructions state that a hearth is not required.

It is Multiglow's recommendation that a hearth is used with this appliance. Should you decide that a hearth is not required, then consideration should be given to the safety of the users of the room.



GAS SUPPLY

Purge the gas supply pipe work to remove all debris BEFORE connection of the appliance. Using 15mm pipe to connect the valve to an isolating tap, which must be adjacent to the appliance [so that when the tap is closed appliance is totally isolated]. Turn on gas supply and check for gas soundness. [Tests should be carried out in accordance with the current Gas Safety Regulations].

NOTE. Soft soldered joints must not be used beneath the burner tray.

WARNING. Flexible pipe must not be used.

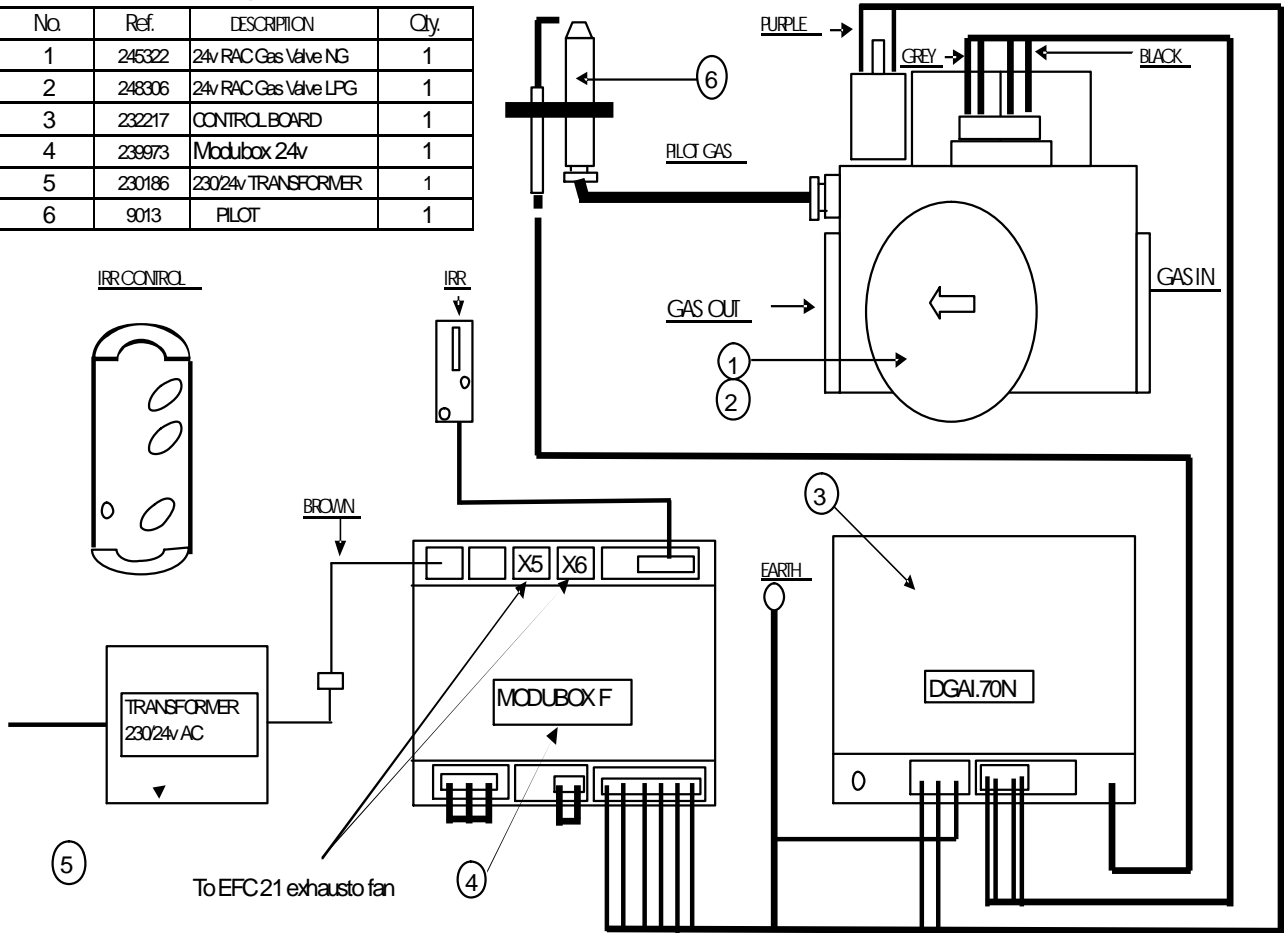
ELECTRICAL SUPPLY [SEE SCHEMATIC DIAGRAM]

WARNING: The free air circulation below the burner must be such that the temperature of any electrical or electronic component does not exceed 70 degrees centigrade.

NOTE: In line with the best engineering codes and practices it is essential that the electrical wiring be protected from accidental damage, it is advised that the flexible cables are placed in a plastic tube or sheath especially where the wiring must pass through a wall or behind a fireplace surround. All wiring situated below the burner should be placed so that the maximum clearance is obtained from any potential hot spots.

Schematic Diagram

No.	Ref.	DESCRIPTION	Qty.
1	245322	24v RAC Gas Valve NG	1
2	248306	24v RAC Gas Valve LPG	1
3	232217	CONTROL BOARD	1
4	239973	Modubox 24v	1
5	230186	23024v TRANSFORMER	1
6	9013	PILOT	1



NOTE :- IN LINE TRANSFORMER TO BE CONNECTED TO
A 13 amp S/MICHS PUR UNIT FUSED AT 3amps

OPERATION AND ASSEMBLY INSTRUCTIONS FOR MODUFIRE SYSTEM

TECHNICAL DATA

Rated voltage : ~-(AC) 24 V
 via transformer :(20 VA)~-(AC) 230 V
 Frequency : 50 Hz
 Power consumption approx : 17 VA
 Degree of protection : IP 00
 Ambient temperature : 0...60 °C
 Connectivity Rast5, encoded Molex KK
 Flat-type connector : 6.8 x 0.8 mm(insulated)
 Flat-type connector : 2.8 x 0.8 mm

The modufire system comprises the automatic ignition, flame supervision device and a facility for setting flame height via a remote control.

The modufire system meets the requirements of EN 509 relating to decorative gas appliances.

SAFETY INSTRUCTIONS

Before lengthy downtimes, shut off the gas supply and/or disconnect the modufire system from the power supply.

If the appliance unintentionally switches on or off automatically, shut off the gas supply and disconnect the modufire system from the power supply. The gas appliance must not be put back into operation until it has been checked by a specialist.

The gas valves are closed after a flame failure occurs. The modufire system is in fault mode and must be unlocked manually by simultaneously operating the ,LO' and ,HI' switches for > 3s. The system is now ready for operation again.

If the power supply is interrupted and/or the air pressure switch is opened, a system shut-down follows. The modufire system is now in standby mode, and is required to be switched on manually.

Only trained personnel may perform work on the valve.

Never use appliance as a lever!

Direct contact between the valve and setting masonry, concrete walls and floor surfaces is not allowed.

On completion of work on the valve, perform a leakage and function test.

If a fuse has blown, the safety devices of the Modubox must be checked for proper functioning because of the danger of contact welding due to short-circuiting.

Degree of protection IP 40 must be assured by the installation.

Ignoring these instructions can lead to personal injury or consequential damages to property.

MODUFIRE SYSTEM COMPONENTS

- 1 Transformer (TR)
- 2 modubox
- 3 DGAI.70N
- 4 245322 NG valve/248306 LPG valve
- 5 IR transmitter (IRT)
- 6 IR receiver (IRR)
- 7 Cable harness
- 8 Ignition line

METHOD OF OPERATION OF OVERALL SYSTEM

The modufire system is placed on standby by applying voltage and closing the ,ON' master switch. The burner can be switched on and off after opening the gas valve by pressing the ,HI' and ,LO' buttons simultaneously for > 3s. After the burner has been ignited, flame height can be set to any value between min and max capacity using the ,LO' and ,HI' buttons. Press the ,LO' button to reduce flame height and the ,HI' button to increase flame height. If an external buzzer is connected, an acoustic signal sounds when the MIN or MAX setting is reached. Systems with an air supervision device perform a static check on the air pressure switch after power-on and the blower is switched on. The system starts once the pressure value set at the air pressure switch is reached.

TECHNICAL DATA OF MODUBOX

- Rated voltage ~-(AC) 24 V
- Frequency 50 Hz
- Non interchangeable internal fuse
- Switching capacities: ON/OFF 24 VAC/1 A
- Blower 230 VAC/2 A
- Modulation current: after switch-on 95...115 mA
- MIN setting < 60 mA
- MAX setting > 150 mA at rated voltage

Response time MIN/MAX approx. 10 s
Switch-on delay > 3 s
Switch-off delay > 3 s
Degree of protection IP 00
Ambient temperature 0...60 °C
Connectivity 24 V Chock block
Connectivity 230 V flat-type connector
6.3 x 0.8 mm, insulated
Installation position: any Weight 0.25 kg

APPLICATION

modubox A (atmospheric version)

This version is for applications which require no air pressure supervision and auxiliary blower.

modubox F (blower version)

This version is for applications which require air pressure supervision and/or auxiliary blower.

METHOD OF OPERATION

The modubox is in standby mode after closing the master switch "ON". The DGAI.70N is switched on by pressing the „HI“ and „LO“ buttons simultaneously for >3 s. Modulation current, and hence flame height, is increased or decreased by pressing the „HI“ or „LO“ button. The modubox only starts in the medium-fire setting if it was previously switched off for at

least 2 minutes! An external buzzer which gives an acoustic signal when the MIN or MAX setting is reached can be connected to the modubox.

The DGAI.70N is switched off by pressing the „HI“ and „LO“ buttons simultaneously for >3 s. If the power supply is interrupted for longer than 20 ms, the modubox switches to standby mode and must be reactivated manually.

In the case of the modubox F with air supervision device, the 230 VAC contact (X5, X6) is closed, and thus the blower is switched on, after the air pressure switch has signaled idle mode via connections X3/1 and X3/3. If the air pressure switch switches over from interface X3/3 to X3/2, the modubox switches the DGAI.70N on.

INSTALLATION

Electrical connection

Chock block connectors are used for electrical connection. The wiring must be configured in accordance with the applicable

local regulations and the terminal diagram. Insulated flat-type connectors must be used to connect the blower.

Fuses

The modubox must be protected externally by a 6.3 A slow-acting back-up fuse or 10 A quick acting back-up fuse. The max. permissible switching capacities must be observed! **No back-up fuse is required when using DUNGS safety transformers!**

TECHNICAL DATA

DGAI. 70N

Classification as per EN 298 ATLLXN

Rated voltage ~-(AC) 24 V

Frequency 50 Hz

Non interchangeable internal fuse:

Switching capacities:

Ignition gas valve 24 VDC/1 A

Main gas valve 24 VDC/1 A

Important: only connect DC valves!

Ionization flame detector

Ionization current/operation > 3 mA

Switch-off sensitivity 0.5...1 mA

Short-circuit current limitation approx. 100 mA

fault unlock via R1 (modufire system: Hi + Lo > 3 s)

Degree of protection IP 20

Ambient temperature 0...60 °C

Connectivity RAST5, encoded

Weight 0.33 kg

Installation position: any

METHOD OF OPERATION

(only DGAI.70N without modufire)

system components)

When the controller issues a heating request, the ignition starts after a max. startup delay period of 3 s and the pilot gas valve is opened. The fault LED flashes briefly to indicate that the starting cycle has commenced. The ignition is switched off when the pilot flame signal is received. The main gas valve is opened at the end of the startup safety period (SZA) if a flame is present. The main gas valve on the 90.3 TLL model is opened approx. 2 s after the pilot flame signal is received. If a flame signal is issued prior to fuel release, then starting is inhibited as long as the flame signal is present.

The DGAI. 70N Mod... TLL comprises an electronic interlock circuit (EN509) which prevents automatic restarting on restoration of the power supply after a mains failure.

Fault unlocks.

If a fault occurs, the DGAI. 70N is unlocked by switching R1 on and off again. (modulfire system: Hi + Lo > 3 s)

INSTALLATION

Electrical connection

The wiring must be configured in accordance with the applicable local regulations and the schematic diagram.

Fuses

The automatic gas burner control must be protected externally by a 6.3 A slow-acting back-up fuse or a 10 A quick-acting back-up fuse.

The max. permissible switching capacities must be observed! **No back-up fuse is required when using DUNGS safety transformers!**

If a fuse blows, the safety devices of the automatic gas burner control must be checked for proper functioning because of the danger of contact welding due to short-circuiting.

Commissioning

All connections must be checked prior to commissioning. During the commissioning procedure, the following safety functions must be checked:

- Switch-off of controllers, switches and limiters (If fitted)
- Interrupt flame detector, ionization line or short electrode to earth.

IONIZATION FLAME SUPERVISION DEVICE

The ionization electrode acts as a flame probe, the burner usually acts as the earth. Good flame adhesion must be assured in the ionization current measurement range. The burner must be connected to terminal X1/3 with a low resistance for returning the ionization current. The insulation resistance of the ionization electrode should be higher than 50 M Ω . If a separate ionization electrode is used (double-electrode operation), jumper MB must be interrupted.

Measuring the ionization current

The ionization current is measured with a DC micrometer. The current should not drop below 3 μ A during operation. If the ionization current drops below approx. 1 μ A, a fault shut-down follows. To measure the ionization current, interconnect the micrometer between the ionization electrode and connector. When using a common ignition and ionization electrode (single-electrode operation), the MB jump must be interrupted in order to measure the ionization current. After completing the measurement, terminals X2/7 and X2/8 must be bridged in place of jumper MB.

HAND-HELD IR TRANSMITTER

Technical data:

Ambient temperature 0 - 50 $^{\circ}$ C

Weight 0.2 kg

Batteries: 2 type AAA

Range: approx. 15 m (in direct view)

METHOD OF OPERATION

The hand-held transmitter can invoke the same functions as the „HI“ and „LO“ buttons.

Switching on from standby mode: Press buttons 1 and 2 simultaneously until the signal LED (flashing) goes out.

Switching off in standby mode: Press buttons 1 and 2 simultaneously until the signal LED (flashing) goes out.

To increase flame height: Press key 3. The signal LED remains lit as long as the key is pressed.

To reduce flame height: Press key 4. The signal LED remains lit as long as the key is pressed.

If the signal LED does not come on while pressing key 3 or 4 or 1 and 2, then replace the battery pack.

When loading the batteries, pay attention to correct polarity!

To ensure reliable operation, the hand-held transmitter must be oriented towards the surface of the IR receiver sensor.

IGNITION LINES

Technical data:

Max. ambient temperature 180 °C

The ignition lines should be laid apart from the other lines. An ignition line length of 1 m should not be exceeded.

Cable harnesses, connecting cables

Technical data: Max. ambient temperature 70 °C

<p>IR-Handsender Technische Daten: Umgebungstemperatur 0 - 50 °C Gewicht 0,2 kg Batterien 2 Stück Typ AAA Reichweite ca. 15 m (bei direkter Sicht)</p> <p>Funktion Mit dem Handsender sind die gleichen Funktionen wie mit den Tasten "HI" und "LO" möglich.</p> <p>Einschalten aus dem Standby-Betrieb: Gleichzeitiges Betätigen der Tasten 1 und 2 bis Signal-LED (blinkernd) erlischt.</p> <p>Ausschalten in den Standby-Betrieb: Gleichzeitiges Betätigen der Tasten 1 und 2 bis Signal-LED (blinkernd) erlischt.</p> <p>Vergrößern des Flammenbildes: Betätigen der Taste 3. Signal-LED leuchtet solange die Taste gedrückt wird.</p> <p>Verkleinern des Flammenbildes: Betätigen der Taste 4. Signal-LED leuchtet solange die Taste gedrückt wird.</p> <p>Leuchtet die Signal-LED während dem Betätigen der Taster 3 bzw. 4 bzw. 1 und 2 nicht, ist der Batteriesatz zu wechseln. Beim Einsetzen der Batterien auf die richtige Polung achten!</p> <p>Um eine sichere Funktion zu erhalten, muß der Handsender auf die Sensoroberfläche des IR-Empfängers ausgerichtet werden.</p>	<p>Hand-held IR transmitter Technical data: Ambient temperature 0 - 50 °C Weight 0,2 kg Batteries: 2 type AAA Range: approx. 15 m (In direct view)</p> <p>Method of operation The hand-held transmitter can invoke the same functions as the "HI" and "LO" buttons.</p> <p>Switching on from standby mode: Press buttons 1 and 2 simultaneously until the signal LED (flashing) goes out.</p> <p>Switching off in standby mode: Press buttons 1 and 2 simultaneously until the signal LED (flashing) goes out.</p> <p>To increase flame height: Press key 3. The signal LED remains lit as long as the key is pressed.</p> <p>To reduce flame height: Press key 4. The signal LED remains lit as long as the key is pressed.</p> <p>If the signal LED does not come on while pressing key 3 or 4 or 1 and 2, then replace the battery pack. When loading the batteries, pay attention to correct polarity!</p> <p>To ensure reliable operation, the hand-held transmitter must be oriented towards the surface of the IR receiver sensor.</p>	<p>Émetteur manuel IR Caractéristiques techniques: Température ambiante 0 - 50 °C Poids 0,2 kg Piles x 2 Type AAA Portée env. 15 m (en visibilité directe)</p> <p>Fonctionnement L'émetteur manuel permet d'activer les mêmes fonctions que les touches "HI" et "LO".</p> <p>Mise en marche à partir du mode attente: Actionner simultanément les touches 1 et 2 jusqu'à ce que la LED de signal (clignotante) s'éteigne.</p> <p>Retour au mode attente: Actionner simultanément les touches 1 et 2 jusqu'à ce que la LED de signal (clignotante) s'éteigne.</p> <p>Augmentation de la flamme: Actionner la touche 3. La LED reste allumée tant que la touche est enfoncée.</p> <p>Réduction de la flamme: Actionner la touche 4. La LED reste allumée tant que la touche est enfoncée.</p> <p>Si la LED de signal ne s'allume pas quand on actionne les touches 3 et 4, ou 1 et 2, les piles doivent être remplacées. Veiller au sens des pôles lors de l'installation des piles.</p> <p>Pour assurer le bon fonctionnement, l'émetteur manuel doit être dirigé sur la surface de capteur du récepteur IR.</p>	<p>IR-handzender Technische Gegevens: Omgevingstemperatuur 0 - 50 °C Gewicht 0,2 kg Batterijen (accu's) 2 stuks, type AAA Reikwijdte ca. 15 m (bij direct zicht)</p> <p>Functie Met de handzender zijn dezelfde functies mogelijk als met de toetsen "HI" en "LO".</p> <p>Inschakelen in standby bedrijf: Tegelijkertijd toetsen 1 en 2 indrukken totdat de signaal-LED (knipperend) dooft.</p> <p>Uitschakelen in standby bedrijf: Tegelijkertijd toetsen 1 en 2 indrukken totdat de signaal-LED (knipperend) dooft.</p> <p>Vergroten van het vlambeeld: Druk op toets 3. De signaal-LED brandt zolang de toets wordt ingedrukt.</p> <p>Verkleinen van het vlambeeld: Druk op toets 4. De signaal-LED brandt zolang de toets wordt ingedrukt.</p> <p>Brandt de signaal-LED tijdens het bedienen van toets 3 resp. toets 4, resp. 1 en 2 niet, dan moet de set batterijen (accu's) worden vervangen. Let bij het plaatsen van de batterijen (accu's) op de juiste polariteit!</p> <p>Om een bedrijfszekere en veilig functioneren te verkrijgen, moet de handzender op het sensoroppervlak van de IR-ontvanger worden gericht.</p>
<p>Zündleitungen Technische Daten: Umgebungstemperatur max. 180 °C Die Zündleitungen sollten separat von den restlichen Leitungen verlegt werden. Eine Zündleitungslänge von 1 m sollte nicht überschritten werden.</p>	<p>Ignition lines Technical data: Max. ambient temperature 180 °C The ignition lines should be laid apart from the other lines. An ignition line length of 1 m should not be exceeded.</p>	<p>Conduites d'allumage Caractéristiques techniques: Température ambiante 180 °C max. Les conduites d'allumage devraient être posées séparément des autres conduites. La longueur des conduites d'allumage ne devrait pas dépasser 1 m.</p>	<p>Ontstekingsleidingen Technische gegevens: Omgevingstemperatuur max. 180 °C De ontstekingsleidingen moeten gescheiden van de andere leidingen worden aangelegd. De lengte van de ontstekingsleidingen mag de 1 m niet overschrijden.</p>
<p>Kabelbäume, Anschlußleitungen Technische Daten: Umgebungstemperatur max. 60 °C</p>	<p>Cable harnesses, connecting cables Technical data: Max. ambient temperature 60 °C</p>	<p>Faisceaux de câbles, conduites de raccordement Caractéristiques techniques: Température ambiante 60 °C max.</p>	<p>Kabelbomen, aansluitleidingen Technische gegevens: Omgevingstemperatuur max. 60 °C</p>

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FUNCTION CHECKS

SECTION 6

6.1 REFERENCE PRESSURE

The appliance is pre-set to the given heat input for the inlet pressure given on the Data Plate. No further adjustment should be necessary. However, the burner can be checked by fitting a pressure gauge at the Test Point accessible to the left of the Control Valve. The pressure should be checked with the appliance alight and the control set at 'High'. After checking pressure, turn off appliance, remove Pressure Gauge, replace Test Point Seal and check gas soundness.

6.2 CHECK FOR SPILLAGE

IMPORTANT: A SPILLAGE CHECK MUST BE MADE BEFORE THE INSTALLED APPLIANCE IS HANDED OVER TO THE CUSTOMER.

- 6.2.1 This test is to be carried out with the appliance fully fitted
- (a) Close all doors and windows of the room in which the appliance is fitted.
 - (b) Light the fire and set the control to maximum and leave for five (5) minutes.
- 6.3.1 After five (5) minutes, light a smoke match and position flush with fireplace opening, a minimum of 50mm (2") from side and a maximum of 50mm (2") from top

The installation is satisfactory if the smoke is drawn into the chimney and out of the room. If this does not happen then leave alight for a further ten (10) minutes and check again.

WARNING: If smoke is still not drawn up the chimney, turn off and disconnect the appliance and seek expert advice.

WARNING: If the fire goes out under normal operation and continues to go out after relighting, spillage has occurred and the flue should be checked.

- 6.4.1 This appliance is fitted with a pre-set Oxygen Depletion System incorporated into the Pilot Ignition Unit. Therefore this system must not be adjusted or put out of operation and must be replaced with a complete unit of original manufacture in the event of renewal.

FINAL CHECK & CUSTOMER BRIEFING

SECTION 7

- 7.1 Instruct the customer on the full operation of the appliance.
- 7.2 Recommend to the customer that a competent person should service the appliance annually.
- 7.3 Recommend to the customer that on a yearly basis the flue should be swept and that rubbish should not be burnt on the fire or fuel bed disturbed.
- 7.4 Instruct the customer that the pilot and flame-sensing device fitted to this fire also acts as an atmospheric sensing device, which shuts off the appliance if the evacuation of the products of the combustion is interrupted.
If the fire shuts off, restart the main burner as stated in section 6. If the appliance fails to relight or repeatedly cuts off, then do not use and inform a qualified person.
- 7.5 Hand over these User Instructions to the customer.

SERVICING

SECTION 8

SPARES LIST

See Schematic Diagram

All servicing of this appliance is to be carried out by a competent person.

Turn off gas supply before commencing any servicing. Always check for gas soundness and spillage after refitting the appliance.

8.1 GENERAL MAINTENANCE

At yearly intervals, turn off and allow to cool down. Check all refractories, pilot burner/ignition unit, for soot or debris deposits. These can cause imperfect flame appearance and should be removed by lightly brushing **do not use a vacuum.**

NOTE: On the failure of either the pilot burner/ignition unit, or main control valve, have repairs carried out by a competent person.

PLEASE FILL IN INFORMATION BELOW FOR FUTURE REFERENCE INFORMATION C

MODEL	
SERIAL NUMBER	
INSTALLER	
INSTALLATION DATE	

		MODEL	DATE
	SERIAL NO		

WARRANTY INFORMATION

If within the period of one year of purchase there is the unlikely occurrence of defect in either materials or workmanship Multiglow will arrange to repair or replace the item free of charge.

All warranty claims must be made through the retailer that this appliance was purchased through.

Multiglow are not able to discuss with the purchaser any claim until the retailer has inspected a claim and deemed it valid this being due to the fact that the purchaser's contract of sale is with the retailer.

When a defect is due to installation error or misuse Multiglow reserve the right to refuse service or make the appropriate charge for any warranty call.

