

Troubleshooting for the PGA4490

Pando

Tipo de fallo	Código de error visualizado
Quemador individual bloqueado	B
Llama parásita/anomalía en el circuito del sensor de llama en el quemador individual	F
Anomalía del circuito de válvula principal	FIt00
Anomalía de voltaje del circuito de referencia	FIt01
Anomalía del circuito de protección	FIt02
Anomalía de las puertas del microcontrolador	FIt03
Anomalía de EPROM	FIt04
Anomalía del circuito piloto de válvula	FIt05
Superado el límite de 5 desbloques en 15 minutos	FIt06
Anomalía del circuito de alimentación eléctrica	FIt08
Anomalía de alarma acústica/ anomalía general	FIt09
Todos los quemadores están bloqueados	FIt0A
Errores de comunicación de lógica de control	FIt0[
Error de control del panel de control	FIt0E

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Indicated error	Fault type	Possible cause	Possible solution
B	Burner in lockout state (error message appears on a single burner) During the three ignition attempts the flame fails to ignite	Missed gas	Restore gas supply and proceed with burner unlocking operation
		Failed connection of corresponding valve connector to the PCxF device.	Check wiring of valve cables and proceed with burner unlocking operation
		Defective modulating valve	If the problem occurs on all the burners, replace the safety valve. If the problem occurs on a single burner, replace the corresponding modulating valve. Proceed with burner unlocking operation
		Minimum flow rate of burner is too low	Proceed with burner unlocking operation then calibrate minimum flow rate of burner
	Burner in lockout state (error message appears on a single burner) During the three ignition attempts the flame appears but the burner fails to remain lit	Device isn't connected to earth	Check wiring and proceed with burner unlocking operation
		It is a FASE-FASE network	It is necessary to use the "ARI Isolation transformer for PCxF" kit. Proceed with burner unlocking operation
		The ionization electrode is dirty or overwhelmed by the flame, or the electrode has been connected to another burner	Clean or reposition the electrode and proceed with burner unlocking operation. Check wiring and proceed with burner unlocking operation
		Failed conductivity between the head and cup of burner due to oxidation or dirt	Clean the burner and proceed with burner unlocking operation
	Burner in lockout state (error message appears on a single burner) Ignition failure, absence of a spark	Failed connection of ignition cable to an electrical source.	Connect the ignition cable to a power source. Proceed with burner unlocking operation
		Wrong ignition wiring	Check igniter wiring. Using a tester, verify that the igniter is being properly powered to the grid voltage during the discharge phase. Proceed with burner unlocking operation
		Circuit failure (No voltage reaching igniter during discharge phase)	Replace the device
		Problems with igniter (Correct voltage reaching igniter during discharge phase)	Replace the igniter
F	Parasite flame/flame detection circuit failure on a single burner (error message appears on a single burner)	Wrong wiring of ionization electrodes	Check the wiring
		Circuit failure	Replace the device
Flt00	Main electrovalve control circuit anomaly	Circuit breakdown	Replace the device
Flt01	Reference voltage circuit anomaly	Circuit breakdown	Replace the device
Flt02	Watchdog circuit anomaly	Circuit breakdown	Replace the device
Flt03	Microcontroller anomaly	Circuit breakdown	Replace the device
Flt04	Eeprom anomaly	Circuit breakdown	Replace the device
Flt05	Electrovalve circuit anomaly	Circuit breakdown	Replace the device
Flt06	Reached the maximum limit of 5 unlocks in 15 minutes	5 unlock operations repeated in 15 minutes	Wait 15 minutes then proceed with burner unlocking operation
Flt08	Power supply error	Circuit breakdown	Replace the device
Flt09	Generic anomaly	Then device has been switched off after a fault has occurred	Proceed with burner unlocking operation
	Resonator anomaly	Circuit breakdown	Replace the device
Flt0[Communication error in logical core	Circuit breakdown	Replace the device
Flt0A	All burners in lockout state (During the three ignition attempts the flame fails to ignite)	Missed gas	Restore gas supply and proceed with burner unlocking operation
		Gas leak from a valve has brought about the unwanted powering up of a second burner during the ignition of the first. Presence of a flame in the second burner for more than 10 seconds due to this anomaly.	Replace defective valve and proceed with burner unlocking operation

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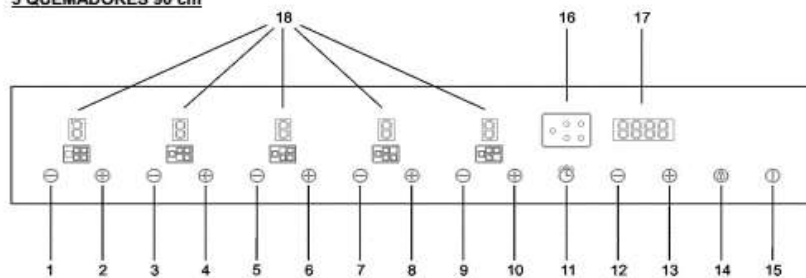
Indicated error	Fault type	Possible cause	Possible solution
	All burners in lockout state During the three ignition attempts the flame ignites.	Device's earth connection missed	Check wiring and proceed with burner unlocking operation
		Ionization electrodes dirty or not touching the flame.	Clean or check electrodes and proceed with burner unlocking operation.
Flt0E	Keyboard error	A mechanical deformation can compromise support keyboard to glass	Remove mechanical deformation and wait a few seconds for recalibration of the keyboard. If fault persists switch off and switch on the main supply. If fault still exists replace device
		Flat cable connected to the keyboard is not plugged in properly	Remove power to the device and verify that the flat cable is correctly connected to the keyboard. Restore power to the device
NO ERROR DISPLAYED	Problems controlling the keyboard	Possible misalignment of screen	Align the screen glass with the display
	Display switched off or showing completely unreadable characters - the device responds to commands	Flat cable connected to the display is not plugged in properly	Remove power to the device and verify that the flat cable is correctly connected to the display. Restore power to the device
	Display completely switched off- the device does not respond to commands	Failed connection to power source	Connect the power cable to a power source
		Circuit breakdown	Replace the device
	The ignition of one burner provokes the ignition of a second unwanted burner	Incorrect wiring off both the valve cables and the ionization cables	Check the wiring
	Igniter continuously discharges	Incorrect ignition wiring	Check igniter wiring. Using a tester, verify that the igniter is being properly powered to the grid voltage only during the discharge phase.
		Circuit failure (Grid voltage continuously reaching igniter connector)	Replace the device
	Failed burner modulization	Regulation of the burner minimum capacity is incorrect	Calibrate minimum flow rate of burner
		Defective modulating valve	Replace defective modulating valve
		Circuit breakdown	Replace the device
Reduction of flame level causes shutdown of burner	Incorrect regulation of minimum flow rate of burner	Calibrate minimum flow rate of burner	

For versions equipped with engine cooling only:

NO ERROR DISPLAYED	Engine cooling system not working	Wrong engine cooling wiring	Check cooling system wiring. Using a tester, verify that the system is being properly powered to the grid voltage of roughly 24Vdc during the active phase.
		Circuit breakdown (No power reaching the motor cooling system)	Replace the device
	Engine cooling system always active	Circuit breakdown (A voltage of roughly 24Vdc is always registered on the engine cooling connector)	Replace the device

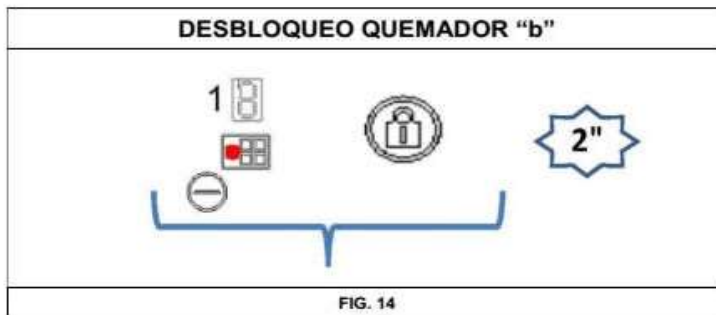
Pando

5 QUEMADORES 90 cm



Desbloqueo del teclado

El teclado se desbloquea pulsando el botón 14 durante al menos 2 segundos. El desbloqueo del teclado se manifiesta con la desaparición de los puntos en el display de nivel de llama.



REGULACIÓN Y TRANSFORMACIÓN OPERACIONES

FIG. 15

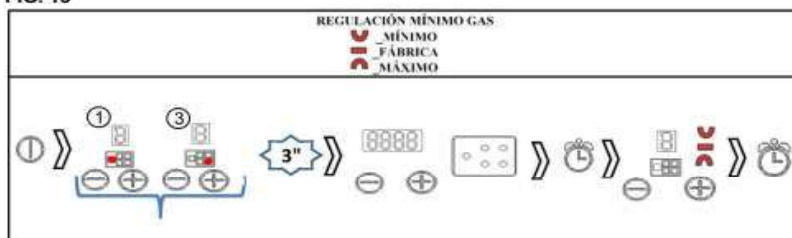


FIG. 16

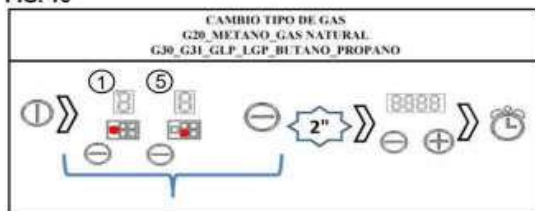
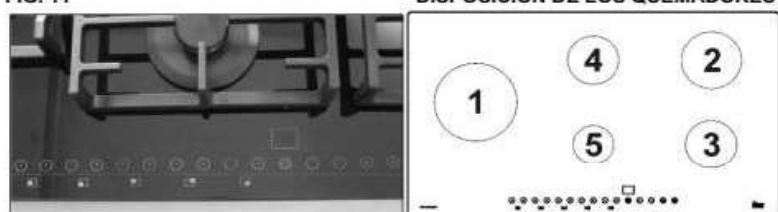


FIG. 11



NUMERACIÓN DE LOS BOTONES

