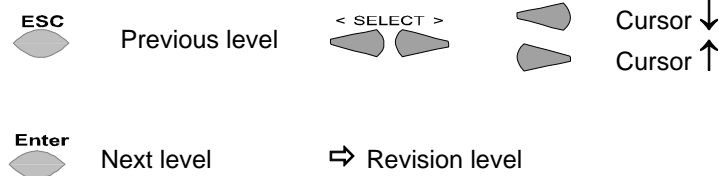


### Legend of Operating Instruction and AZL5...



For language option, select:

Param&Display ⇒ Access without password ⇒ AZL5 ⇒ Language

## Display

Normal operation

```

SET POINT  80° C
ACT VALUE  78° C
LOAD       84.0 %
FLAME      96.8 %
  
```



Press ESC, to get into  
the main menu

```

OPERATIONAL STAT
OPERATION
MANUAL OPERATION
PARAMS & DISPLAY
UPDATING
PW-LOGIN
  
```

Display depending on burner sequence.

Display of fault or error

```

LOCKOUT
>>DIAGNOSIS TEXT<<
  
```

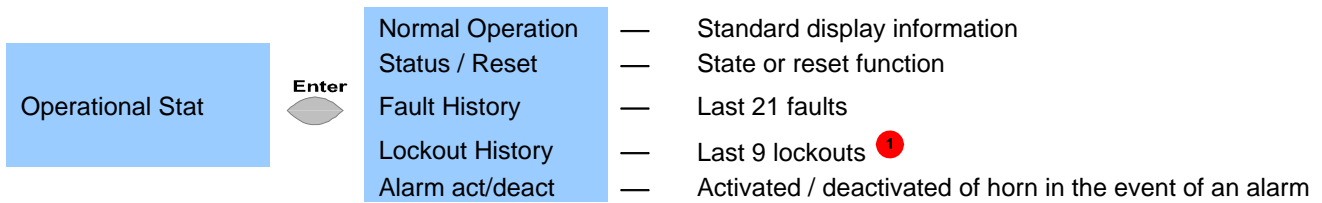


```

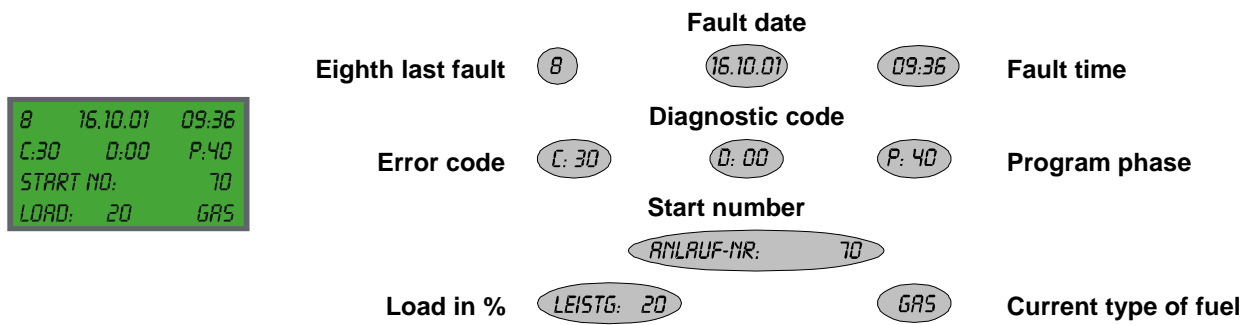
WOULD YOU LIKE
TO RESET THE
SYSTEM W ENTER?
  
```

For fixing the display, press .

# Menu



## 1 Example: Error history



For fixing the display press

Selection of error history

Menu level 1	Menu level 2	Menu level 3	Menu level 4	Menu level 5	Menu level 6
OperationalStat					
	NormalOperation				
	Status/Reset				
	FaultHistory				
	LockoutHistory				
	Alarm act/deact				

Menu level 1	Menu level 2	Menu level 3	Menu level 4	Menu level 5	Menu level 6
<b>Operation</b>					
	<b>BoilerSetpoint</b>				
		SetpointW1			
		SetpointW2			
	<b>User Maxload</b>				
		User MaxLoadMod			
		User MaxLoadStg			
	<b>Fuel</b>				
		CurrentFuel			
		FuelSelect			
	<b>Date/TimeOfDay</b>				
		<b>DisplayClock</b>			
			Date		
			TimeOfDay		
			Weekday		
		<b>SetClock</b>			
			Date		
			TimeOfDay		
			Weekday		
	<b>HoursRun</b>				
		GasFiring			
		OilStage1/Mod			
		OilStage2			
		OilStage3			
		TotalHoursReset			
		TotalHours			
		SystemOnPower			
	<b>StartCounter</b>				
		GasStartCount			
		OilStartCount			
		TotalStartCountR			
		TotalStartCount			
	<b>Fuel Meter</b>				
		Curr Flow Rate			
		Volume Gas			
		Volume Oil			
		Volume Gas R			
		Volume Oil R			
		Reset Date Gas			
		Reset Date Oil			
	LockoutCounter				
	<b>O2 Module</b>				
		FlueGasTemp			
	BurnerID				
	<b>OptgModeSelect</b>				
		InterfacePC			
		GatewayBASon			
		GatewayBASoff			
		Gateway status			
		Type of Gateway			

Menu level 1	Menu level 2	Menu level 3	Menu level 4	Menu level 5	Menu level 6
<b>ManualOperation</b>					
	SetLoad				
	Autom/Manual/Off				

Menu level 1	Menu level 2	Menu level 3	Menu level 4	Menu level 5	Menu level 6	
<b>Params &amp; Display</b>	<b>BurnerControl</b>	<b>Configuration</b>	<b>ConfigFlameDet</b>	<b>FlameSignal</b>	FlameSig QRI_B	
					FlameSig ION	
			<b>ProductID</b>	ASN		
		ProductionDate				
		SerialNumber				
		ParamSet Code				
		ParamSet Vers				
	SW Version					
	<b>RatioControl</b>	Autom/Manual/Off				
		<b>LoadController</b>	<b>ControllerParam</b>	<b>ContrlParamList</b>	StandardParam	
	P-Part (Xp)					
	I-Part (Tn)					
	D-Part (Tv)					
	MinActuatorStep					
	SW_FilterTmeCon					
	SetpointW1					
	SetpointW2					
	SD_ModOn					
	SD_ModOff					
	SD_Stage1On					
	SD_Stage1Off					
	SD_Stage2Off					
	SD_Stage3Off					
	ThreshStage2On					
	ThreshStage3On					
	<b>ColdStart</b>	Temp. ColdStart				
		<b>Configuration</b>	LC_OptgMode			
<b>Adaption</b>	StartAdaption					
	AdaptionLoad					
SW Version						
<b>AZL</b>	<b>Times</b>	Sum/WinterTime				
		Time EU/US				
		Language				
	DateFormat					
	PhysicalUnits					
	<b>eBUS</b>	Address				
		SendCycleBU				
	<b>Modbus</b>	Address				

Menu level 1	Menu level 2	Menu level 3	Menu level 4	Menu level 5	Menu level 6
			Baudrate		
			Parity		
			Timeout		
			Lokal / Remote		
			Remote Mode		
			W3		
		Display Contrast			
		<b>ProductID</b>			
			ASN		
			ProductionDate		
			SerialNumber		
			ParamSet Code		
			ParamSet Vers		
		SW Version			
	<b>Actuators</b>				
		<b>ProductID</b>			
			<b>1 AirActuator</b>		
				ASN	
				ProductionDate	
				SerialNumber	
				ParamSet Code	
				ParamSet Vers	
			<b>2 GasActuat(Oil)</b>		
				ASN	
				ProductionDate	
				SerialNumber	
				ParamSet Code	
				ParamSet Vers	
			<b>3 OilActuator</b>		
				ASN	
				ProductionDate	
				SerialNumber	
				ParamSet Code	
				ParamSet Vers	
			<b>4 AuxActuator</b>		
				ASN	
				ProductionDate	
				SerialNumber	
				ParamSet Code	
				ParamSet Vers	
			<b>6 AuxActuator3</b>		
				ASN	
				ProductionDate	
				SerialNumber	
				ParamSet Code	
				ParamSet Vers	
		<b>SW Version</b>			
			1 AirActuator		
			2 GasActuat(Oil)		
			3 OilActuator		
			4 AuxActuator		
			6 AuxActuator3		
	<b>VSD Module</b>				
		<b>Configuration</b>			
			<b>Speed</b>		

Menu level 1	Menu level 2	Menu level 3	Menu level 4	Menu level 5	Menu level 6
				Absolute Speed	
		<b>Process Data</b>			
			Max Stat Dev		
			Max Dyn Dev		
			Num Dev >0.3%		
			Num Dev >0.5%		
			Absolute Speed		
		<b>ProductID</b>			
			ASN		
			ProductionDate		
			SerialNumber		
			ParamSet Code		
			ParamSet Vers		
		SW Version			
	<b>O2 Module</b>				
		<b>Process Data</b>			
			FlueGasTemp		
		<b>ProductID</b>			
			ASN		
			ProductionDate		
			SerialNumber		
			ParamSet Code		
			ParamSet Vers		
		SW Version			
	<b>Flue Gas Recirc.</b>				
		actTmpFGR-sensor			
	<b>SystemConfig</b>				
		LC_OptgMode			
	<b>HoursRun</b>				
		GasFiring			
		OilStage1/Mod			
		OilStage2			
		OilStage3			
		TotalHoursReset			
		TotalHours			
		SystemOnPower			
		<b>Reset</b>			
			GasFiring		
			OilStage1/Mod		
			OilStage2		
			OilStage3		
			TotalHoursReset		
	<b>StartCounter</b>				
		GasStartCount			
		OilStartCount			
		TotalStartCountR			
		TotalStartCount			
		<b>Reset</b>			
			GasStartCount		
			OilStartCount		
			TotalStartCountR		
	<b>Fuel Meter</b>				
		Curr Flow Rate			
		Volume Gas			
		Volume Oil			
		Volume Gas R			

Menu level 1	Menu level 2	Menu level 3	Menu level 4	Menu level 5	Menu level 6
		Volume Oil R			
		Reset DateGas			
		Reset DateOil			



Menu level 1	Menu level 2	Menu level 3	Menu level 4	Menu level 5	Menu level 6
<b>Updating</b>					
	<b>ParamBackup</b>				
		<b>BackupInfo</b>			
			Date		
			TimeOfDay		
			BU included?		
			AZL included?		
			LC included?		
			ACT1 included?		
			ACT2 included?		
			ACT3 included?		
			ACT4 included?		
			ACT6 included?		
			VSD included?		
PW eingeben					
<b>SafetyCheckFunct</b>					
	SLT Test				
	SLT-Testload Mod				
	SLT-Testload Stg				

**Use of TÜV test function must be carried out by qualified staff!**

---

## Required information of service purpose

Plant: \_\_\_\_\_

Burner data: \_\_\_\_\_

## Burner management system LMV50...

	ASN	Production date	Software version
Burner control			
Load controller			
AZL5...			
Air actuator			
Gas actuator			
Oil actuator			
Auxiliary actuator			

## Lockout history

No.	Date	Time	Code	Diagnostic code	Error phase	Startup	Load	Fuel	Description of fault
1									
2									
3									
4									
5									
6									
7									
8									
9									