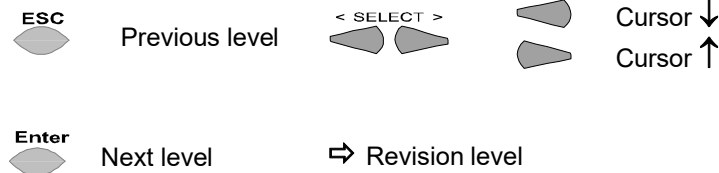


Legend of Operating Instruction and AZL5...

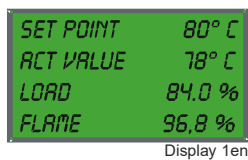


For language option, select:

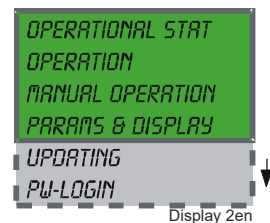
Param&Display ⇒ Access without password ⇒ AZL5 ⇒ Language

Display

Normal operation

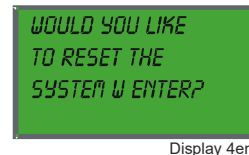
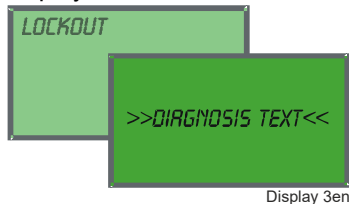


Press **ESC**, to get into the main menu



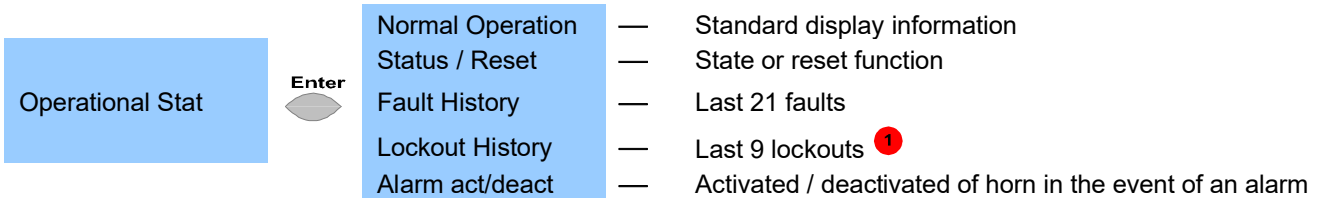
Display depending on burner sequence.

Display of fault or error

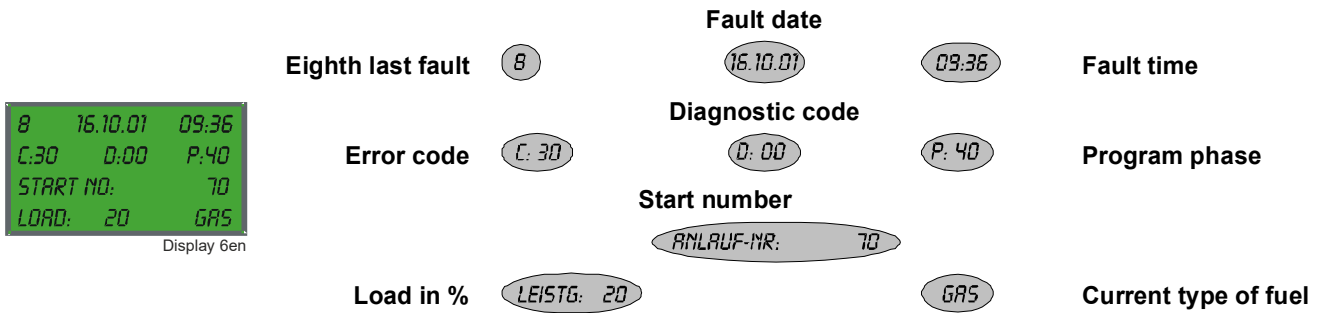


For fixing the display, press **Enter**.

Menu



1 Example: Error history



For fixing the display press

< SELECT > 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
Operation					
	BoilerSetpoint				
		SetpointW1			
		SetpointW2			
	User Maxload				
		User MaxLoadMod			
		User MaxLoadStg			
	Fuel				
		CurrentFuel			
		FuelSelect			
	Date/TimeOfDay				
		DisplayClock			
			Date		
			TimeOfDay		
			Weekday		
		SetClock			
			Date		
			TimeOfDay		
			Weekday		
	HoursRun				
		GasFiring			
		OilStage1/Mod			
		OilStage2			
		OilStage3			
		TotalHoursReset			
		TotalHours			
		SystemOnPower			
	StartCounter				
		GasStartCount			
		OilStartCount			
		TotalStartCountR			
		TotalStartCount			
	Fuel Meter				
		Curr Flow Rate			
		Volume Gas			
		Volume Oil			
		Volume Gas R			
		Volume Oil R			
		Reset Date Gas			
		Reset Date Oil			
	LockoutCounter				
	O2 Module				
		FlueGasTemp			
	BurnerID				
	OptgModeSelect				
		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
ManualOperation					
	SetLoad				
	Autom/Manual/Off				

Menu level 1	Menu level 2	Menu level 3	Menu level 4	Menu level 5	Menu level 6
Params & Display					
	BurnerControl				
		Configuration			
			ConfigFlameDet		
				FlameSignal	
		ProductID			
			ASN		
			ProductionDate		
			SerialNumber		
			ParamSet Code		
			ParamSet Vers		
		SW Version			
	RatioControl				
		Autom/Manual/Off			
	LoadController				
		ControllerParam			
			ContrlParamList		
				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		
		ColdStart			
			Temp. ColdStart		
		Configuration			
			LC_OptgMode		
		Adaption			
			StartAdaption		
			AdaptionLoad		
		SW Version			
	AZL				
		Times			
			Sum/WinterTime		
			Time EU/US		
		Language			
		DateFormat			
		PhysicalUnits			
		eBUS			
			Address		
			SendCycleBU		
		Modbus			
			Address		
			Baudrate		
			Parity		

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

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

Menu level 1	Menu level 2	Menu level 3	Menu level 4	Menu level 5	Menu level 6
		Reset DateOil			

Menu level 1	Menu level 2	Menu level 3	Menu level 4	Menu level 5	Menu level 6
Updating					
	ParamBackup				
		BackupInfo			
			Date		
			TimeOfDay		
			BU included?		
			AZL included?		
			LC included?		
			ACT1 included?		
			ACT2 included?		
			ACT3 included?		
			ACT4 included?		
			ACT6 included?		
			VSD included?		
PW eingeben					
SafetyCheckFunct					
	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 LMV51...

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

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									