

1 Normal Operation *(нормальные стадии)*

● —	Idle state, no heat demand	<i>ожидание, нет потребн. в тепле</i>
● — —	Power supply not ok (frequency or voltage)	<i>несоответствие частоты и напря.</i>
● ● —	Start delay (cooling down ignition device, RT is on)	<i>задержка старта</i>
● ● ●	Waiting for FT-on, LW-off, LK-open	<i>в ожидании замыкания термостата</i>
● ● ● ●	Burner is starting	<i>горелка в работе</i>
●	Burner in operation (from end of safety time)	<i>ожидание пламени</i>
● ● — —	Burner is stopping (e.g. in post-purge)	<i>остановка после очистки</i>

Code is sent every 5 s; in between the LED is off

2 Special Codes (no lock-out) *(нет блокировки)*

● ● ● ● ● ●	Device in Status „Parameter-Download“	<i>загрузка параметров</i>
● ● ● — — —	Parameter set for test; device will start only after release with serial communication	<i>устройство запустится после подключения</i>
— — — — — —	„End of Life“ warning	<i>предупреждение о конце жизни</i>

Code is sent every 5 s; in between the LED is off

3 Burner lock-out *(отключение (блокировка))*

— ●	False flame	<i>ложное пламя</i>
● —	No flame at the end of the safety time	<i>нет пламени в конце отсчета</i>
● ● —	Flame failure in operation	<i>срыв пламени</i>
— ● ●	Flame present after the end of operation phase	<i>пламя есть после выключения</i>
● ● ● —	No flame signal during ignition spark supervision	<i>нет пламени во время искр.</i>
— ● ● ●	Two flame sensors connected	<i>соединены два датчика пламени</i>
● — — —	Air pressure switch (LW) opened during supervised phase	<i>} воздух, давление</i>
— — — ●	Air pressure switch (LW) didn't close	
● — — — —	Air pressure switch (LW) didn't open	
● ● — — —	Oil pre-heater release temperature couldn't be reached (FT didn't close)	<i>} температура топлива</i>
— — — ● ●	Oil temperature below threshold during supervised phase (FT opened)	
— — — — —	Manual lock-out	<i>ручная блокировка</i>
● ● ● ●	Unknown error code	<i>неизвестная ошибка</i>

Code is sent every 10 s; in between the LED is always on

4 Special Codes (lock-out)

— — — — — —	„End of Life“ lock-out
X X X X X X	Other 6-pulse code indicates system lock-out (internal failure)

Code is sent every 10 s; in between the LED is always on

Legend: flashlight signal: — long (½ s) ● short (0.1 s)  
 RT: heat demand  
 FT: pre-heater release thermostat  
 LW: air proving switch  
 LK: air damper

*внутреннее нарушение работы*