

INT69 TML® Diagnose

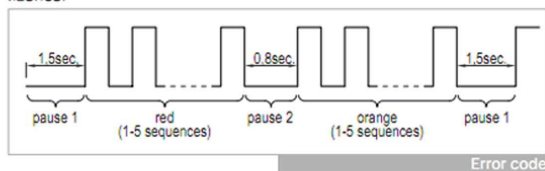
INT69 TML® Diagnose

Flash code

The KRIWAN flash code allows for a quick and easy status display and troubleshooting.

The flash code consists of a cyclical red and orange flash sequence.

The current status can be determined from the number of pulsing flashes.



Overview flash code

Green lit	Compressor operational
Green flashing	Compressor running
Red/Orange flashing	Error, compressor is switched off; for description see table below

1st flashing sequence (LED red)	2nd flashing sequence (LED orange)	Description
1	1	Motor temperature: Static switch-off, Permissible winding temperature exceeded
	2	Motor temperature: Dynamic switch-off, Temperature rise in the motor winding unusually fast
	3	Motor temperature: Reset delay after static switch-off
	4	Motor temperature: Sensor input detected open circuit or short circuit
	5	Motor temperature: Reset delay after dynamic switch-off
3	5	General: Reset delay after "General" error
4	1	Oil: Differential pressure too low
	3	Oil: Reset delay after "Oil" error
	4	Oil: Sensor incorrectly connected
	5	Oil: Sensor input detected open circuit or short circuit
5	1	Permissible discharge gas temperature exceeded
	2	Reset delay after discharge gas error
	3	Discharge gas sensor input detected open circuit or short circuit

Technical specifications

Supply voltage	AC 50/60Hz 115-230V ±10% 3VA
Permitted ambient temperature	-30...+70°C
Temperature measuring circuits	
- Type	1-2 AMS sensors in series alternative 1-9 PTC acc. to DIN 44081, DIN 44082 in series
- R _{ZS,total}	<1.8kΩ
- R _{trip,static}	4.5kΩ ±20%
- R _{reset}	2.75kΩ ±20%
- Max. length connection line	30m
Short circuit monitoring system	
PTC and Input INT250	Typically <30Ω
Input, operating recognition motor	
- Lower limit	AC 100V at 20Hz to 175V at 90Hz
- Upper limit	AC 690V ±15%
Operation with frequency converters	Suitable
Switching frequency overstepping	3 switch-offs in 30s
Reset delay	
- Motor temperature static	5min ±1min
- Motor temperature dynamic	
1./24h	10min ±2min
2./24h	60min ±12min
3./24h	Locked
- Discharge gas temperature	
1.-5./24h	10min ±2min
6./24h	Locked
- Switching frequency overstepping	5min ±1min
- Oil differential pressure	90s ±18s
Resetting the lock or the reset delay	Main reset >5 sec. or reset by keyboard only possible if there is no error current
External button	
- Designed for	Potential-free normally open contact (typ. 5V, 1mA)
- Max. length connection line	1m
Relay	
- Contact	AC 240V 2.5A C300 at least AC/DC 24V 20mA
- Mechanical service life	Approx. 1 million switching cycles
Interface	Diagnose port (DP)
Protection class acc. to EN 60529	IP00
Connection type	6.3mm blade terminal (operating recognition), push-in spring terminals 0.25-0.75mm ²
Housing material	PA glass-fibre-reinforced
Mounting	Screw mounted
Dimensions	Refer to dimensions in mm
Weight	Approx. 200g
Check base	EN 61000-6-2, EN 61000-6-3 EN 61010-1
Approval	Overvoltage category II Pollution level 2 UL File No. E75899 2UR _{us}
Order data	
INT69 TML Diagnose	22 A 495
Accessories and application information	see www.kriwan.com

Technical changes reserved