

# GET ALARMED IF NECESSARY



Overheat & Fire  
Smoke  
Overflow  
Flow

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HDL - Heat Detector LICO  
www.prevent-a-fire.eu

"Avoid any disaster!"

Detect Heat before it comes to Fire  
Detect Smoke before Smoke kills  
Detect Tank-Overflow before Flooding



LICO custom-made "Alarmpanels"



The 1. and complete ready to go solution!

### Application:

- Production Halls,
- Storages
- Dryers, Ovens
- Engine rooms
- Marine, Yachts
- Heating rooms
- Warehouses
- Gas-stations
- Hangars, Garages
- Factories
- Ceilings, Vents, Transport Industry, Oil- Gas- Energy-industry



Protect your Valueables

**The Alarmpanel has 2 line-inputs,  
Connect 1 or more, even many „switches“ per line-input**

Complete and Functional Systems:



**Overflow Detection & Alarm,  
the 1. and complete  
"ready to go" solution!**

**Ask for LICO's OFD-datasheet!**



**Smoke & Smokealarm,  
the 1. and complete  
ready to go solution!**

**Overheat & Firealarm,  
the 1. and complete ready to go solution!**



**Ask for LICO's HDL-datasheet!**

Complete and Functional Systems:



Remote Smoke- & Firealarm,  
the 1. and complete ready to go solution!



Overheat & Firealarm,  
the 1. and complete ready to go solution!



Connect equal or different „switches“ to the Alarmpanel at the same time

Overheat, Smoke- & Firealarm,  
the 1. and complete ready to go solution!



## Description:

- Alarmpanel with smart Microcontroller for 2 Heat-detectors, i.e. for pair 60°C & 60°C or unpair 60°C & 71°C or 71°C & 88 °C or higher **up to 510 °C**
- or
- 1 or 2 real industrial Smoke-Detectors
- or
- 1 or 2 Overflow Detectors
- or
- various Level and Flowswitches
- N/O or N/C alarm-switch-setting can be ordered
- ready for system-installation-certification i.e. ATEX-cert, Ex-cert
- just **intrinsically safe 10mA** sensor-current,
- surface mount or stand alone,
- watersafe - IP 66
- massive aluminum housing sealed with O-Ring,
- stainless steel screws
- CE-label
- All custom-made versions available



## Function:

- Connect the HDL Heat Detectors with the Alarmpanel
- Connect 9-30VDC to the Alarmpanel
- Turn On (if applicable) or apply power
- From Now on you will be alarmed by the Alarmpanel in the case of Overheat, Fire, Smoke, Overflow, Flow-stop etc
- in most cases there is still no Fire etc and you have a good chance to stop the source of overheat or failure before it comes to Fire or any other disaster.

May be reasonable to connect also a Clever Smokedetector or get your 2 systems:  
1 system for overheat, 1 system for smoke Detection or ...

## Special Features:

### Test-function:

test if your sensor is "On-Line" in Combination with internal and external audible and visual alarms

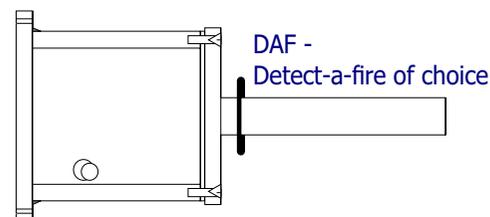
### Still-Function:

for special applications the Alarm can be "muted"

## Technical data of Alarmpanel:

Power 9-30 VDC  
Power consumption: <1W  
Inputs for 2 Sensor-lines, 4 or 2 wires, 1 or more per line  
Integrated LEDs and alarm-buzzer  
**Active Outputs** for Alarm, Buzzer & LED  
Testfunction, Still function  
Membrane switch-keyboard  
Integrated permanent cable-break control  
Temperature range: - 20°C/+60°C  
Dimensions: Frontpanel: 80x120x15 mm

## Possible Heat-detector:



- Partnumber of housing without DAF: HDL-X
- Partnumber of housing with DAF: HDL-X-DAF-type

Ordering Information & Custom-made Choices welcome:

# Custom Specifications Welcome, just inquire!

## Alarmpanel

select the choice of Detectors:

Alarmpanel -





H	Heat
HH	Heat-Heat
HS	Heat-Smoke
S	Smoke
SS	Smoke-Smoke
O	Overflow
OO	Overflow-Overflow

SM	Surface Mount
B	in Box

Output	L	2 x just LED
	S	2 x acustical alarm switch
	A	2 x active 9-30V, max 2A

N/O	Normally open
N/C	Normally closed

**Ask for Product Datasheets:**

HDL	Heat Detector LICO
DAF	Detect-A-Fire
PSD	Smoke-Detectors
OFD	Overflow Detector
FLO	Flow Switches

## Heat Detectors:

Heat-Sensor 1  
select the choice of  
Temperatures in °C:

Heat-Detector:	60
	71
	88
	99
	107
other Temp.	OT

Heat-Sensor 2  
select the choice of  
Temperatures in °C:

Heat-Detector:	60
	71
	88
	99
	107
other Temp.	OT

**Presently max. 510°C**

## Overflow Detectors OFD:

OFD-Sensor 1  
select the choice  
of Media:

Medium	
Diesel	D
Gasoline	G
Water	W
other Media	OM

OFD-Sensor 2  
select the choice  
of Media:

Medium	
Diesel	D
Gasoline	G
Water	W
other Media	OM

## More Detectors:

- Flowswitches
- Levelswitches
- Signalswitches

## Keypad-Layout:

Any custome-made Layout can be realized  
Custommade Keypad Configuration can be realized

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