



- ◆ Monitoring and control of single-zone extinguishing systems
- ◆ Can be configured as HRD extinguishing control center
- ◆ Function according to EN-54 - Certification is aimed for
- ◆ PVL "d" acc. to DIN EN ISO 13849 achievable
- ◆ Configuration via membrane keypad and LCD display or PC tool
- ◆ Customer-specific coding of the access levels
- ◆ Internal event memory can be read out via USB interface
- ◆ General status display via LED's
- ◆ Detailed status display via LCD display
- ◆ KeyGen for the generation of the access codes

**Technical data:****Single-zone extinguishing control LZ-01**

<b>Operating voltage</b>	99 ... 255VAC	<b>Monitored outputs warning/ extinguishing:</b>	
<b>Operating current at 230V~</b>	approx. 80mA	Output voltage	20 ... 29V
		Monitoring current	approx. 4mA
<b>Power supply 24 VDC, Load duration:</b>		Output current	max. 1A
<0,5A	unrestricted	The thresholds can be freely configured, the following values are set as default:	
0,5 ... 1A	max. 2 h		
1 ... 2A	max. 10min.		
		Short circuit range	0 ... 23Ω
		Operating range	23 ... 1.76kΩ
<b>Rechargeable battery:</b>		Open circuit range	> 1,76kΩ
installed	24V / 2.3Ah		
external	max. 24V / 12Ah	<b>Extinguishing time</b>	2...100s, unrestricted
Low-voltage shutoff	< 19V	<b>Extinguisher delay</b>	0...40 s
		<b>Short circuit monitoring</b>	needed
<b>Dimensions</b>	290 x 220 x 150 mm		
<b>Weight without rechargeable battery</b>	3kg	For lines L1, L2 and L3 the extinguishing delay and the extinguishing time are configured separately	
<b>Temperature range</b>	-5...+55°C		
<b>Housing safety class</b>	IP65		
<b>Relay outputs:</b>			
5x freely configurable, potential-free changeover contact for alarm, pre-alarm, malfunction, system off, revision active, test active	30V= / 1A	<b>Special features:</b>	
		<ul style="list-style-type: none"> <li>- General status display via LED's</li> <li>- Detailed status display via LCD display</li> <li>- Configuration via membrane keypad and LCD display or PC tool</li> <li>- Internal buzzer</li> <li>- Control inputs for monitoring ball valve and door contact</li> <li>- Test input for test of safety function</li> <li>- Event memory, log memory, alarm counter</li> <li>- Coding possible by customer</li> <li>- USB interface (slave)</li> <li>- Monitor 24V connection for external consumer</li> <li>- Rechargeable batter management as per EN-54</li> <li>- Ground fault monitoring</li> <li>- The control device can be mounted separately, e.g., in a control cabinet door and is connected via a flat ribbon cable with the base circuit board</li> </ul>	
<b>Monitored alarm lines L1, L2, L3, L4:</b>			
Line voltage	24 VDC		
Line terminal resistor	4k7		
The thresholds can be freely configured, the following values are set as default:			
Short circuit range	0 ... 120Ω		
Alarm range	180 ... 900Ω		
Operating range	1.5 ... 7kΩ		
Open circuit range	> 10kΩ		
The lines L1, L2 and L3 trigger alarms, line L4 is used for the monitoring circuit, and triggers a malfunction			
Lines L1 and L2 can be configured in two-circuit dependency with variable gate time and buffer			
Lines L1, L2 and L3 can be configured as conventional or as HRD lines with or without alarm memory			
Lines L1, L2, L3 and L4 can be individually shut off (deactivated)			