

# SL 523 / SL 525 – Function Overview

		SL 523	SL 525	Programming Software	
<b>Display</b>					
Change language	<i>English, Dutch, French, German, Hungarian, Italian, Polish, Portuguese, Spanish</i>	✓	✓	✓	
<b>Buzzer</b>					
Volume	<i>high / low / off</i>	–	–	✓	
Signal while lock open	<i>buzzer signal every 30 seconds</i>	✓	✓		
	<i>buzzer can be switched off</i>	–	–	✓	
<b>Code functions</b>					
1 Master code	<i>Master code opens lock and gives access to all lock functions</i>	✓	✓		
	<i>Master code definable as 'cannot open lock'</i>	–	–	✓	
2 Manager codes	<i>head of user group 1/2, can set imm. time lock and his time delay</i>	✓	✓		
18 User codes	<i>9 each in user groups 1 and 2</i>	✓	✓		
1 Courier code	<i>bypasses time delay, opens alone even in dual mode</i>	✓	✓		
Code change		✓	✓	✓	
Code format	<i>2-digit ID + 6- digit PIN</i>	✓	✓	✓	
	<i>change to 6- digit PIN + 2- digit ID</i>	–	–	✓	
Wrong trial penalty	<i>5 Min penalty after 4<sup>th</sup> wrong code entry</i>	✓	✓	✓	
Dual mode	<i>Master code and Courier code can always open alone</i>	✓	✓		
Code denial	<i>temporary lockout of Manager codes and/or user groups</i>	✓	✓	✓	
Duress code	<i>entry permission can be switched on/off</i>	✓	✓	✓	
<b>Time delay</b>					
Time delay	<i>0 ... 99 Min., individual for each user group</i>	✓	✓	✓	
Confirmation window	<i>1 ... 99 Min. settable</i>	✓	✓	✓	
Duress time delay	<i>0 ... 99 Min, individual for each user group, independent of 'normal' time delay</i>	–	99 Min	✓	
<b>RTC (Real time clock)</b>					
Time / date	<i>calendar including weekday and leap year information until 2099</i>	✓	✓	✓	
Time format	<i>24 hours format or AM/PM format</i>	✓	✓	✓	
Summer/wintertime (DLT)	<i>algorithm for automatic changeover</i>	–	–	✓	
<b>Time lock functions</b>					
Weekly program	<i>16 weekly repeated programs</i>	✓	✓	✓	
Holyday periods	<i>22 pre-programmable date-related holiday periods</i>	✓	✓	✓	
	<i>selectable as yearly repeating holiday periods</i>	✓	✓	✓	
Immediate time lock	<i>Time lock starting now until end of next weekly period</i>	✓	✓	–	
<b>Audit</b>					
Memory	<i>ring buffer, non-volatile, non-erasable</i>	>2400	>2400	–	
Manipulation detection	<i>Indication of excessive occurrence of events</i>	✓	✓		
Read-out	<i>with serial interface RS232 in input unit</i>	✓	✓	✓	
<b>Signal inputs</b>					
Door contact	<i>contact closed = lock closes</i>	–	–	✓	
Time delay bypass	<i>contact closed</i>	✓	–	✓	
Remote disabling	<i>control signal (nom. 12 V<sub>DC</sub> / 20 mA)</i>	✓	✓	✓	
Controlled disabling	<i>control signal (nom. 12 V<sub>DC</sub> / 20 mA)</i>	–	–	✓	
Duress by omission	<i>autom. alarm triggering if no contact activation before lock opening</i>	–	–	✓	
<b>Signal outputs</b>					
Lock open	<i>lock open</i>	✓	✓	✓	
Duress alarm	<i>duress alarm</i>	✓	✓	✓	
Other signal triggers	<ul style="list-style-type: none"> <li>- weekly period active</li> <li>- time delay counting</li> <li>- door contact</li> <li>- hardware fault</li> <li>- battery low</li> <li>- programming mode</li> <li>- remote disabling active</li> <li>- wrong trial penalty active</li> <li>- time period 'waiting on confirmation code' until 'lock closing'</li> <li>- time period 'courier code entry' until 'lock closing'</li> </ul>	<ul style="list-style-type: none"> <li>- holiday period active</li> <li>- waiting for code 2</li> <li>- lock bolt open</li> <li>- motion fault</li> <li>- battery compartment open</li> <li>- no connection to lock</li> <li>- time delay bypass</li> <li>- online with RS232</li> </ul>	–	–	<ul style="list-style-type: none"> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> </ul>
OR function	<i>Boolean OR combination of several signal triggers (disjunction)</i>	–	–	✓	
Polarity	<i>inversion of polarity: contact opens on event (instead of closing)</i>	–	–	✓	
<b>Special functions</b>					
Shelve function	<i>Master can reset all data back to default delivery settings</i>	✓	✓		
Diagnosis / Error detection	<i>automatic background diagnosis</i>	✓	✓		
Opening counter	<i>non-volatile, non-erasable counter (last 4 digits displayed)</i>	✓	✓		
Battery capacity indication		✓	✓		
<b>Approvals</b>					
VdS 2396	<i>high security electronic lock, class 2</i>	✓	✓		
VdS 2269 / 2315	<i>stroke plate contact for intruder alarm systems of class C</i>	✓	✓		
EN 1300	<i>level B</i>	✓	✓		
ECB•S	<i>level B</i>	✓	✓		
CNPP a2p	<i>level B/E</i>	✓	✓		
UL	<i>type 1</i>	✓	✓		
IMP	<i>class 2</i>	✓	✓		