

## SL 525 / Axessor - Function Overview

		SL 525	IU	SW	Axessor	IU	SW
<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>	✓	–	✓	✓	–	✓
Signal during conf. window	<i>buzzer signal every 60 seconds</i>	✓	–	–	✓	–	✓
Signal during time delay	<i>buzzer signal every 60 seconds</i>	✓	–	–	✓	–	✓
	<i>buzzer can be switched off</i>	✓	–	✓	✓	–	✓
<b>Code functions</b>							
Master code	<i>Master code opens lock and gives access to all lock functions</i>	✓	–	–	✓	–	–
	<i>Master code definable as 'cannot open lock'</i>	✓	–	✓	✓	–	✓
Manager codes	<i>head of user group (9 users per group)</i>	(2)			(4)		
	<i>Manager code definable as 'cannot open lock'</i>	–	–	–	✓	–	✓
	<i>Manager code definable as 'can activate imm. Time lock'</i>	–	–	–	✓	–	✓
	<i>Manager code definable as 'can change his time delay'</i>	–	–	–	✓	–	✓
	<i>Manager code definable as 'can change confirmation window'</i>	–	–	–	✓	–	✓
User codes	<i>9 each in user groups</i>	(18)			(36)		
	<i>User code definable as 'can activate imm. Time lock'</i>	–	–	–	✓	–	✓
	<i>User code 48/49 definable for 'lock disabling / enabling'</i>	–	–	–	✓	–	✓
Courier code	<i>bypasses time delay, opens alone even in dual mode</i>	✓	–	–	✓	–	–
	<i>Courier code definable as 'does not open but skips time delay'</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>	✓	–	–	✓	–	–
Code denial	<i>temporary lockout of Manager codes and/or user groups</i>	✓	✓	✓	✓	✓	✓
	<i>temporary lockout of single user</i>	–	–	–	✓	–	✓
Duress code	<i>entry permission can be switched on/off</i>	✓	✓	✓	✓	✓	✓

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<b>Dual mode</b>							
Dual mode for opening procedure	<i>Master code and Courier code can always open alone</i>	✓	–	✓	✓	–	✓
Type of Dual mode	<i>Any two codes</i>	✓	–	–	✓	–	✓
	<i>Two codes of same group</i>	–	–	–	✓	–	✓
	<i>Two codes of different group</i>	–	–	–	✓	–	✓
Dual mode for programming mode	<i>Two managers needed for enter the programming mode</i>	–	–	–	✓	–	✓
	<i>Managers definable as 'can cross access user codes'</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 (default = 99 min.)</i>	✓	✓	✓	✓	✓	✓
Non return time delay	<i>0 ... 127 Min. settable</i>	–	–	–	✓	–	✓
<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>	✓	✓	✓	✓	✓	✓
Holiday periods	<i>22 pre-programmable date-related holiday periods selectable as yearly repeating holiday periods</i>	✓	✓	✓	✓	✓	✓
Immediate time lock	<i>Time lock starting now until end of next weekly period</i>	✓	✓	–	–	–	–
	<i>Time lock definable in hours from now</i>	–	–	–	✓	✓	✓
Opening windows	<i>Opening windows for time lock interruption</i>	–	–	–	(2)	–	✓
<b>Audit</b>							
Memory	<i>ring buffer, non-volatile, non-erasable</i>	>2400			> 4800		
Manipulation detection	<i>Indication of excessive occurrence of events</i>	✓	–	–	✓	–	–
Read-out	<i>with serial interface in input unit</i>	✓	–	–	✓	–	–
	<i>over network</i>	–	–	–	✓	–	–

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<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>	✓	–	✓	✓	–	✓
Time lock interruption	<i>contact closed</i>	–	–	–	✓	–	✓
Audit events	<i>Inputs definable to generate audit events</i>	–	–	–	✓	–	✓
Polarity	<i>inversion of polarity</i>	✓	–	✓	✓	–	✓
<b>Signal outputs</b>							
Signal triggers	<i>- lock open, - duress alarm</i>	✓	–	✓	✓	–	✓
	<i>- weekly period active, - holiday period active</i>	✓	–	✓	✓	–	✓
	<i>- time delay counting, - input unit offline</i>	✓	–	✓	✓	–	✓
	<i>- immediate time lock active,</i>	✓	–	✓	✓	–	✓
	<i>- time lock interruption (input) active,</i>	✓	–	✓	✓	–	✓
	<i>- dual access counting, - penalty counting</i>	✓	–	✓	✓	–	✓
	<i>- programming mode active, - serial connection active</i>	✓	–	✓	✓	–	✓
	<i>- bolt in open position - door contact</i>	✓	–	✓	✓	–	✓
	<i>- motion fault - hardware fault</i>	✓	–	✓	✓	–	✓
	<i>- audit overflow - time delay cancel</i>	✓	–	✓	✓	–	✓
	<i>- battery empty - battery compartment open</i>	✓	–	✓	✓	–	✓
	<i>- remote disabling (input) active, - courier code</i>	✓	–	✓	✓	–	✓
	<i>- lock openable - battery low</i>	–	–	–	✓	–	✓
	<i>- non return time delay counting - motor in open position</i>	–	–	–	✓	–	✓
	<i>- confirmation window counting, - remote disabling (software) active</i>	–	–	–	✓	–	✓
	<i>- network connection active</i>	–	–	–	✓	–	✓
	<i>- time lock interruption (opening window) active</i>	–	–	–	✓	–	✓
	<i>- network interface (e-B@x) online</i>	–	–	–	✓	–	✓
	<i>- external power</i>	–	–	–	✓	–	✓
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>	✓	–	✓	✓	–	✓

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<b>Network functions</b>							
Change settings over network	<i>changes can be done even the lock is closed</i>	–	–	–	✓	–	✓
Additional inputs / outputs	<i>5 inputs, 5 outputs on network device (e-B@x)</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 3 digits displayed)</i>	✓	–	–	✓	–	–
Battery capacity indication		✓	–	–	✓	–	–
Opening possibility	<i>the info function shows the next opening possibility</i>	–	–	–	✓	–	✓
Time delay counting	<i>definable as 'no count, count up or count down'</i>	–	–	–	✓	–	✓
Disabling the lock	<i>lock disabled / enabled by user code 48 and 49</i>	–	–	–	✓	–	✓
	<i>lock disabled / enabled by software</i>	–	–	–	✓	–	✓
<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>	✓					

Legend:

*IU = Input unit (Settings changeable by input unit)*

*SW = Software (Settings changeable by software)*