



EPR – Electronic Products and Relays

FAQ's – CL range logic relays and display system

FAQ_CL range_070412.doc- CN

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From	Product range	Revision-No.	Revision-Date:	Page
STO/XS	Control Products / Electronic Relays and Control / Logic Relays	A	2007-04-12	1/5

Topic		Question
Commercial	General	Q: How long can the superseded AC010 still be purchased? A: <ul style="list-style-type: none">The AC010 will be available until May 2007.
		Q: When will the new CL range be available? A: <ul style="list-style-type: none">The launch of the new CL range started in February 2007.
		Q: Are there any accessories available for the door/front mounting of the CL range display system ? A: <ul style="list-style-type: none">Yes, for harsh environments 2 protective covers are available: <ol style="list-style-type: none"> CL-LAD.FD001 (1SVR 440 899 R1000) transparent and sealable CL-LAD.FD011 (1SVR 440 899 R2000) transparent, for harsh environmental conditions and applications in the food industry
	Documentation	Q: Are the user manuals for the CL range available in English? A: <ul style="list-style-type: none">The user manual for the CL range logic relays is available on the website in the ABB library. http://abblibrary.abb.com/GLOBAL/SCOT/SCOT209.nsf/VerityDisplay/F30040BD14683DDDC12572970035B8D4/\$File/1SVC440795M0100.pdfThe user manuals for the display system in English are in progress and will be uploaded as soon as possible.
		Q: Is there an overview of the abbreviations of the CL range logic relays? A: <ul style="list-style-type: none">In the user manual about the logic relays (1SVC 440 795 M0100) an overview is given on pp. 91.
		Q: Where can I find more detailed information about the new CL range? A: <ul style="list-style-type: none">In the ABB library you can find specifications about the new CL range (system overview, technical data, conversion table AC010 range → CL range, ordering details). http://abblibrary.abb.com/GLOBAL/SCOT/SCOT209.nsf/VerityDisplay/5669EC3829282CCAC12571F0004DE892/\$File/2CDC110004C0204_09.pdf
		Q: Where can the CL range documentation be obtained? A: <ul style="list-style-type: none">General information, certificates, declaration of conformity, user manuals and instruction sheets can be obtained in the ABB library. Low Voltage Products and Systems → Control Products → Electronic Relays and Controls → Logic Relays.
		Q: Does the CL range have shipping approvals for Germanischer Lloyd (GL)? A: <ul style="list-style-type: none">For some of the modules the third party certification is in progress.

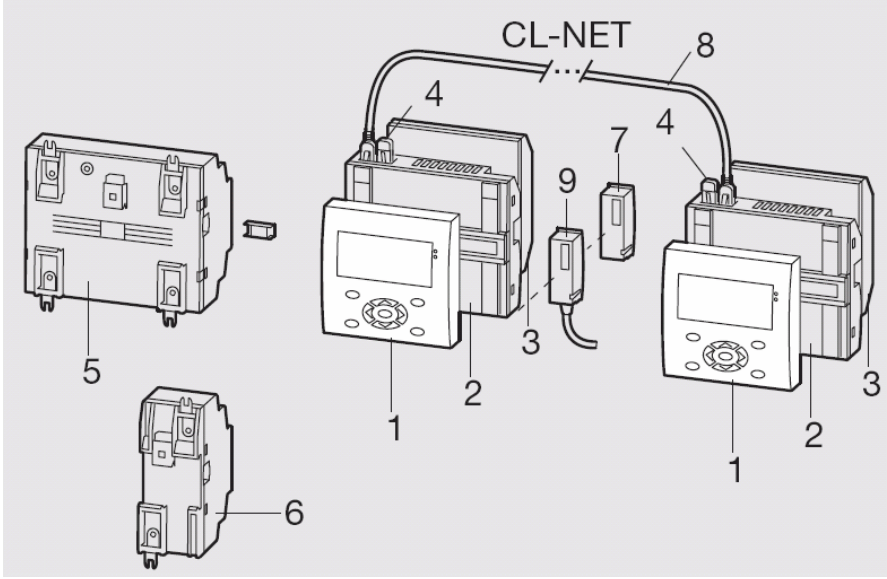


Commercial	Software	Q: What languages are contained in the CL SOFT?
		A: <ul style="list-style-type: none"> The CL SOFT, is available in 13 languages: D, GB, F, I, E, P, NL, PL, RO, CZ, H, RU, TR.
		Q: With which operating system is CL SOFT compatible?
		A: <ul style="list-style-type: none"> Windows 2000 SP4, Windows XP SP1
		Q: How many operating menu languages are supported on the CL range logic relays?
A: <ul style="list-style-type: none"> The CL range logic relays support the following 10 languages: D, GB, F, I, E, P, NL, S, PL, TR. 		
A: <ul style="list-style-type: none"> The CL range logic relays support the following 10 languages: D, GB, F, I, E, P, NL, S, PL, TR. 		
Q: Where can I get a demo of the programming software "CL-SOFT"?		
A: <ul style="list-style-type: none"> The new software for programming and control of CL range devices "CL-SOFT" is only offered as full version. Order code: 1SVR 440 799 R8000 		
Q: Is there a help file for the PC software CL-SOFT available in English?		
A: <ul style="list-style-type: none"> Yes, if you have installed the Software CL-SOFT in English the included help file is in English, too. At the moment the software has got a bug! The taskbar at the top of the window is in German language. 		
Technical	Documentation	Q: Do I need a starter kit for the new CL range?
		A: <ul style="list-style-type: none"> Within the new software for programming and control of CL range devices a simulator is integrated. You do not need a simulator as for the AC010.
		Q: Can I transfer a former AC010 project into the CL range logic relays?
	A: <ul style="list-style-type: none"> Yes, there are two possibilities of transferring an AC010 project into a CL device. In the ABB library you can find the necessary information. http://abblibrary.abb.com/GLOBAL/SCOT/SCOT209.nsf/VerityDisplay/B629CE43ACDCBE91C1257267004865D5/\$File/2CDC126015M0201.pdf 	
A: <ul style="list-style-type: none"> You can find the conversion table AC010 → CL range in the ABB library with the link: http://abblibrary.abb.com/GLOBAL/SCOT/SCOT209.nsf/VerityDisplay/77A2C6741F44304DC12571E7003532BA/\$File/Conversation%20table%20AC010%20to%20CL%20range.pdf 		
Internal	Q: How do I use the contacts and coils designated as R and S?	
A: <ul style="list-style-type: none"> The R stands for the input of the expansion module and the S stands for the output of the expansion module. 		



Technical	Internal	Q: Can the output "S" of the expansion module be used otherwise?
		A: <ul style="list-style-type: none"> • If the CL basic module is used without an expansion module the output "S" can be used as additional marker.
		Q: How many circuit connections can be wired on CL-LSR/LSR, CL-LMR/LMT and the display system?
		A: <ul style="list-style-type: none"> • Within the CL range each line in the circuit diagram counts a circuit connection. On the logic relay devices the maximum number of wired circuit connections is approximately 128, on the display-system approximately 256 circuit connections are possible.
		Q: Are there any CL range devices with frequency counters, high-speed counters and incremental value counters?
	A: <ul style="list-style-type: none"> • Yes, the display system has the requested high-speed counter functions directly connected to the digital inputs (I01...I04): 2 x frequency counters, 2 x high-speed counters, high-speed signal counting, 2 x incremental value counter 	
Spec		Q: Can the output of the CL range logic relays be provided with short-circuit monitoring?
		A: <ul style="list-style-type: none"> • The following inputs (I15, I16, R15, R16) can be used for monitoring the output: <ul style="list-style-type: none"> ○ CL-LST: I16 = central fault indication for outputs Q1...Q4. ○ CL-LMT: I16 = central fault indication for outputs Q1...Q4. I15 = central fault indication for outputs Q5...Q8. ○ CL-LET: R16 = central fault indication for outputs S1...S4. R15 = central fault indication for outputs S5...S8.
		Q: What does "P-Button debouncing" mean?
		A: <ul style="list-style-type: none"> • The arrow keys located at the front of the modules (depending on type of module) are called "P-Buttons". If the debouncing function of the P-Buttons is activated, the response time of the input circuit will increase.
		Q: What is the permissible operating temperature of the CL range logic relays?
A: <ul style="list-style-type: none"> • The CL range logic relays can be operated at an ambient temperature of -25°C up to +55°C. 		
		Q: How many display systems can be connected in the CL-NET?
		A: <ul style="list-style-type: none"> • The maximum number of the CL-NET participants is 8.

Technical		<p>Q: What resolution do the analogue inputs and outputs of the logic relays have?</p> <p>A: <ul style="list-style-type: none">The analogue inputs and outputs have a 10-bit resolution (0.01 V, value 1-1023).</p>
		<p>Q: What expansion module do I need for 2 additional relay outputs?</p> <p>A: <ul style="list-style-type: none">CL-LER.2O (1SVR 440 709 R5000)</p>
		<p>Q: Does the local expansion module require its own rated operational voltage?</p> <p>A: <ul style="list-style-type: none">This depends on the used expansion module. The local expansion CL-LER.2O gets its supply voltage with the CL-LINK from the main module. All other modules have their own power supply.</p>
	System Overview	<p>Q: How can I combine a CL range logic relay (CL-LSx/LMx type) with an expansion module or a remote display?</p> <p>A:</p> <p>1 Logic relay CL-LS..., CL-LM...</p> <p>2 Power supply CL-LAS.SD00...</p> <p>3 I/O-expansion CL-LER, CL-LET</p> <p>4 Coupler unit CL-LEC for remote expansion</p> <p>5 Memory module CL-LAS.MD003 for logic relays</p> <p>6 Connecting cable CL-LAS.TK001 to connect PC</p> <p>7 CL-LINK CL-LAS.TK011</p> <p>8 Remote display connection module CL-LDC.S... incl. connecting cable</p> <p>9 Display module CL-LDD...</p>

<h2>Technical</h2>		<p>Q: How can I combine a CL range display system with an expansion module or create a CL-NET network?</p> <p>A:</p>  <p>1 Display module CL-LDD...</p> <p>2 Display base module CL-LDC.LN...</p> <p>3 Display I/O-module CL-LDR, CL-LDT</p> <p>4 Termination resistor CL-LAD.TK009</p> <p>5 I/O-expansion CL-LER, CL-LET</p> <p>6 Coupler unit CL-LEC for remote expansion</p> <p>7 Memory module CL-LAD.MD004 for display base module</p> <p>8 Connecting cable CL-LAD.TK002, CL-LAD.TK003, CL-LAD.TK004</p> <p>9 Connecting cable CL-LAD.TK001 to connect PC</p>
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