EPR – Electronic Products and Relays

FAQ_CL range_070412.doc- CN

FAQ's – CL range logic relays and display system

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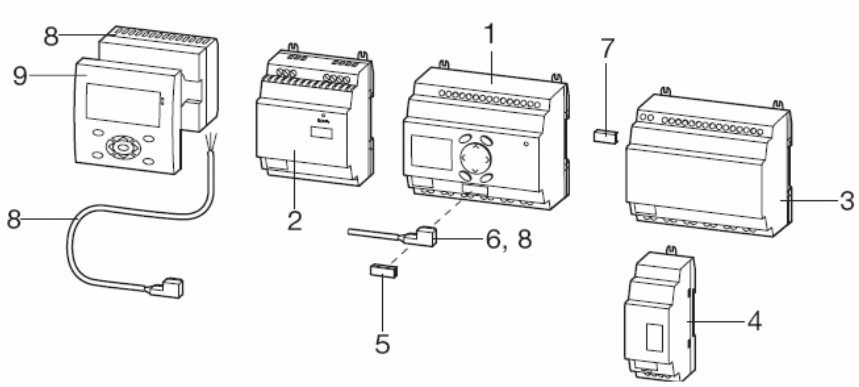
Topic			Question
Commercial	General	Q:	How long can the superseded AC010 still be purchased?
		A:	• The AC010 will be available until May 2007.
		Q:	When will the new CL range be available?
		A:	• The launch of the new CL range started in February 2007.
		Q:	Are there any accessories available for the door/front mounting of the CL range display system ?
		A:	• Yes, for harsh environments 2 protective covers are available: 1. CL-LAD.FD001 (1SVR 440 899 R1000) transparent and sealable 2. 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:	• 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/$File/1SVC440795M0100.pdf • The user manuals for the display system in English are in progress and will be uploaded as soon as possible.
		Q:	Is there an overview of the abbreviations of the CL range logic relays?
		A:	• In the user manual about the logic relays (1SVC 440 795 M0100) an overview is given on pp. 91.
		Q:	Where can I find more detailed information about the new CL range?
		A:	• In the ABB library you can find specifications about the new CL range (system overview, technical data, conversion table AC010 range → CL range, ordering details). http://abblibrary.abb.com/GLOBAL/SCOT/SCOT209.nsf/VerityDisplay/5669EC3829282CCAC12571F0004DE892/$File/2CDC110004C0204_09.pdf
		Q:	Where can the CL range documentation be obtained?
		A:	• 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:	• For some of the modules the third party certification is in progress.

Commercial	Software	Q:	What languages are contained in the CL SOFT?
		A:	• 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:	• Windows 2000 SP4, Windows XP SP1
		Q:	How many operating menu languages are supported on the CL range logic relays?
		A:	• 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:	• 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:	• 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:	• 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:	• 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/$File/2CDC126015M0201.pdf
		Q:	Where can I get the conversion table AC010 → CL range?
		A:	• You can find the conversion table AC010 → CL range in the ABB library with the link: http://abblibrary.abb.com/GLOBAL/SCOT/SCOT209.nsf/VerityDisplay/77A2C6741F44304DC12571E7003532BA/$File/Conversation%20table%20AC010%20to%20CL%20range.pdf
	Internal	Q:	How do I use the contacts and coils designated as R and S?
		A:	• The R stands for the input of the expansion module and the S stands for the output of the expansion module.

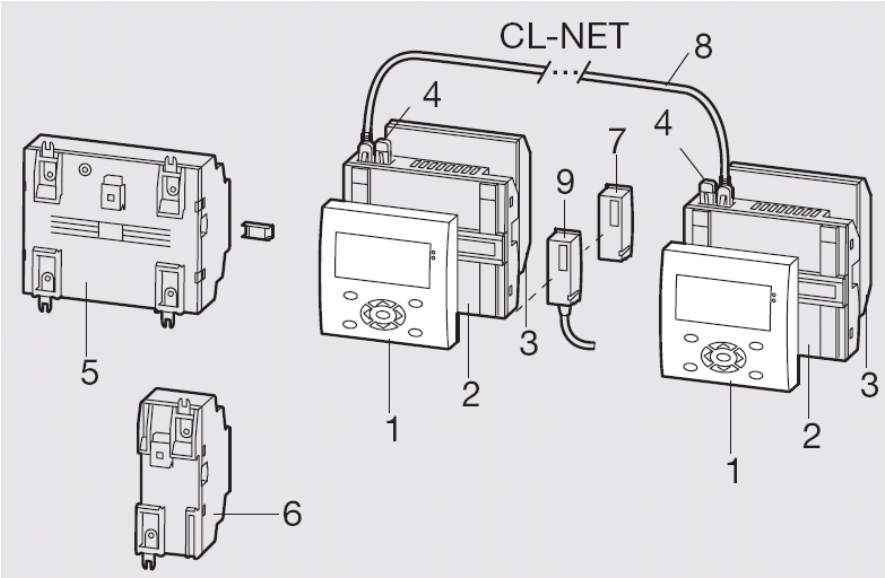
Technical	Internal	Q:	Can the output “S” of the expansion module be used otherwise?
		A:	• If the CL basic module is used without an expansion module the output “S” can be used as additional marker.
		Q:	How many circuit connections can be wired on CL-LSR/LSR, CL-LMR/LMT and the display system?
		A:	• 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:	• 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
		Q:	Can the output of the CL range logic relays be provided with short-circuit monitoring?
		A:	• The following inputs (I15, I16, R15, R16) can be used for monitoring the output: o CL-LST: I16 = central fault indication for outputs Q1…Q4. o CL-LMT: I16 = central fault indication for outputs Q1…Q4. I15 = central fault indication for outputs Q5…Q8. o 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:	• 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.
	Spec	Q:	What is the permissible operating temperature of the CL range logic relays?
		A:	• 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:	• The maximum number of the CL-NET participants is 8.

Technical		Q:	What resolution do the analogue inputs and outputs of the logic relays have?
		A:	• The analogue inputs and outputs have a 10-bit resolution (0.01 V, value 1-1023).
		Q:	What expansion module do I need for 2 additional relay outputs?
		A:	• CL-LER.2O (1SVR 440 709 R5000)
		Q:	Does the local expansion module require its own rated operational voltage?
		A:	• 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.
	System Overview	Q:	How can I combine a CL range logic relay (CL-LSx/LMx type) with an expansion module or a remote display?
		A:	 1 Logic relay CL-LS…, CL-LM… 2 Power supply CL-LAS.SD00… 3 I/O-expansion CL-LER, CL-LET 4 Coupler unit CL-LEC for remote expansion 5 Memory module CL-LAS.MD003 for logic relays 6 Connecting cable CL-LAS.TK001 to connect PC 7 CL-LINK CL-LAS.TK011 8 Remote display connection module CL-LDC.S… incl. connecting cable 9 Display module CL-LDD…

Technical

Q: How can I combine a CL range display system with an expansion module or create a CL-NET network?

A:



1 Display module CL-LDD…
2 Display base module CL-LDC.LN…
3 Display I/O-module CL-LDR, CL-LDT
4 Termination resistor CL-LAD.TK009
5 I/O-expansion CL-LER, CL-LET
6 Coupler unit CL-LEC for remote expansion
7 Memory module CL-LAD.MD004 for display base module
8 Connecting cable CL-LAD.TK002, CL-LAD.TK003, CL-LAD.TK004
9 Connecting cable CL-LAD.TK001 to connect PC