AUTOMATIC CONTROL TECHNOLOGY

Temperature control - TEM

This laboratory is designed for the study of the temperature control application to allow the student a practical training, based on the performance of guided experiments. Industrial type components are educationally adapted by using a modular panel system to permit the step by step assembling from the simplest circuit to the most complex system.

This trainer has a modular structure and it consists of didactic panels installed on a vertical frame. It is supplied with a theoretical and practical manual. The modularity of this didactic system can give the students a direct and immediate approach to the topics, offering the opportunity to study various subjects, performing several experiments as following:

- With this laboratory it is possible to perform the following experiments:
- The two position controller in the temperature process
- The two position controller with delayed feedback in the temperature process
- The two position controller with elastic feedback in the temperature process
- The three range controller in the temperature process
- P, PI and PID controls of the temperature process using the CHR method

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List of modules for experiments:

No	EXPERIMENT	MODULES														
		DL 2613	DL 2614	DL 2622	DL 2674	DL 2675	DL 2678	DL 2679	DL 2684	DL 2685	DL PS-MODE	DL PP-MODE	DL ACTSW	DL 1893	DL 115ACT	DL 2100-3M
1	Controller with 2 positions	1	1					1	1	1			1	1	1	1
2	Controller with 2 positions, delayed feedback	1	1		1	1		1	1	1	1	1	1	1	1	1
3	Controller with 2 positions, elastic feedback	1	1		1	1		1	1	1		1	1	1	1	1
4	Controller with 3 ranges	1	1		1		1	2	1	1		1	1	1	1	1
5	Regulation P, PI e PID of temperature, CHR method	1	1	1					1	1		1	1	1	1	1
6	**TOTAL**	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1