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TECHNICAL INFORMATION SHEET – NUMBER 155

818P, 818P4, 818P15 Program Event Output Setup

11/20/95

ISSUED BY THE APPLICATIONS ENGINEERING DEPARTMENT

The 818 programmers can have up to 3 program event relay outputs configured to energize or de-energize at certain segments of a program run, provided these output slots are not occupied by another feature. Refer to the catalog or 818P, 818P4, 818P15 data bulletin for coding sequence. The program event relay's may be placed in channel 2 (OP2), channel 3 (alarm slot 1), and channel 4 (alarm slot 2). A standard relay board (**SUB818/OUTPUT-BD/RLY/*I***) can be used.

After hardware installation, it is necessary to go into configuration, "idn" the new boards and enable the program event output(s) in the software. ***Refer to the configuration section of the Operations Manual or Engineering Manual, for instructions***.

The configuration code(s) are: Channel 2 (OP2) is "C2" "D" digit=8.
Channel 3 (alarm 1) is "C3" "B" digit=6.
Channel 4 (alarm2) is "C3" "C" digit=6.

Exit configuration per instructions ("Clr" then both arrow buttons).

Additional program parameters will be added to the scroll list. In addition to having Pr1, PL1, Pd1, Pr2, PL2, Pd2, etc., there will be Or1, Od1,Or2, Od2, etc.. The Or(x) is the assignment of **o**utput on **r**amp (x), where (x) is 1-8. The Od(x) is the is the assignment of **o**utput on **d**well (x), where (x) is 1-8.

There are eight possibilities for which the three outputs can be activated for each "Or(x)" and "Od(x)".

			All outputs disabled
2			output 2 enabled
2	3		outputs 2 and 3 enabled
	3		output 3 enabled
		4	output 4 enabled
2		4	outputs 2 and 4 enabled
	3	4	outputs 3 and 4 enabled
2	3	4	outputs 2, 3, and 4 enabled

Example: Simple program

ramp rate	ramp output	dwell level	dwell output	dwell time
10^{o} /min.	none	1200^{o}	2- -	.5
5^{o} /min.	none	25^{o}	- -4	end

Solution: Program parameters settings

	Pr	Or	PL	Od	Pd
1	10^{o}	- -	1200^{o}	2- -	.5
2	5^{o}	- -	25^{o}	- -4	end

"Pr1"= 10, "Or1"= no numbers, "PL1"= 1200, "Od1"= 2 only, "Pd1"=.5
"Pr2"=5, "Or"= no numbers, "PL2"=25, "Od"= 4 only, "Pd2"= end.

741-F MILLER DRIVE, LEESBURG, VIRGINIA 20175-8993 USA
TECHNICAL SUPPORT: 703-669-1313 SALES: 703-669-1312 FAX: 703-669-1300 FAX-ON-DEMAND: 703-669-1310
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