			C	umulative timer instructions
FUN87/FUN87D (T.01S) FUN88/FUN88D (T.1S) FUN89/FUN89D (T1S)			FUN87/FUN87D (T.01S) FUN88/FUN88D (T.1S) FUN89/ FUN89D (T1S)	
89.T1S 88.T.1S 87.T.01S Timing control –TIM- CV: PV: Enable control – EN-		CV : Register storir (current value) -TUP— Time up PV : Preset value c -NUP— Time not up		ng elapse time) of timer
RangeWXOpe- rand WX240CV PV	WY WM WS WY0 WM0 WS0 I I I WY240 WM1896 WS98 Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Constructionof the system <td>TMR CTR HR 0 T0 C0 R0 1 1 1 1 34 T255 C199 R3839 0 0 0 0 0</td> <td>IR OR SR ROR R3840 R3904 R3968 R5000 I I I I R3903 R3967 R4167 R8071 Image: Constraint of the state of</td> <td>DR K D0 0~32767 0 or D4095 0~2147483647 O O</td>	TMR CTR HR 0 T0 C0 R0 1 1 1 1 34 T255 C199 R3839 0 0 0 0 0	IR OR SR ROR R3840 R3904 R3968 R5000 I I I I R3903 R3967 R4167 R8071 Image: Constraint of the state of	DR K D0 0~32767 0 or D4095 0~2147483647 O O
• The operation for this instruction is the same as that for the basic timer (T0~T255), except that the basic timer only has a "timing control" input - when its input is 1 it starts timing, and when input is 0 it get clear. Every time the input changes, it starts timing again and is unable to accumulate. Timing with this instruction is only permissible when enable control "EN" = 1. With this instruction, when timing control "TIM" is 1, it is the same as a basic timer, but when "TIM" is 0, it does not clear, but keeps the current value. If the timer need to clear, then change enable control "EN" to 0. When timing control "TIM" is once again to be 1, it will continue to accumulate from the previous value when the timer last paused. In addition, this instruction also has two outputs, "Time up TUP" (when time up it is 1, usually it is 0) and "Time not up" (usually it is 1, when time is up it is 0). Users can utilize input and output combinations to produce timers with various different functions. For example:				
• On delay energizing to the second s	timer: 9.T1S V: R 0 -T V: 10 -N	Y0 UP() UP	 This timer's output normally not energy input control (X0 in (ON), only after on Y0 become energy 	ut (Y0 in this example) is ergized. When this timer's in this example) is activated lelay by 10 sec will output ized (ON).
• On delay de-energizi	ng timer: 0.T1S V: R 0 -T V: 10 -N	UP ¥0 IUP——()	 The output Y0 energized. When is on, only after output become de 	of this timer is usually this timer's input control X0 delay by 10 sec will the -energized (OFF).

Cumulative timer instructions

