

Tech Note - TN101D - Using the Schedule Function

OffPeak Technologies LLC

Note: This Tech Note is supplemental to the download version of the PT Scheduler Demo.zip file found on the web site.

Topic: The Application of a Schedule Function in a Manufacturing Process



Schedule Introduction:

(1) Up to 48 schedules (Number 1 to Number 48) can be registered in a panel application. Please see the illustration below.

chedule										(
General										
V Enable										
Use	No.	Name	Start Action	Write Address	Power-O: Action	n End Action	Details	Prohibit Action Bit		
	1	Suger#1	Set Bit 💌	\$u200.3	<u>(1)</u>	~	Edit	V100.0		^
	2	Suger#2	Set Bit 💌	\$U202.3	<u>()</u>	~	Edit	\$U100.0		
V	3	Suger #1 (Control)	Set Bit 💌	\$u100.1	<u>()</u>	v	Edit	\$U100.0		
V	4	Suger #2 (Control)	Set Bit 💌	\$u100.2	<u>()</u>	V	Edit	\$U100.0		
	5									
	6									
	7									
	8									
	9									
	10									
	11									
	12									~
Lang	guage:	Eng 💙 🗘								
								確定	取消	説明

- (2) Each schedule can be programmed to either change the value of a specified PLC location or execute a specified macro at the designated time.
- (3) In addition to regular time schedule, you can select to make a schedule valid only for specified day. Please see the illustration below.

chedule No.: 1	OK
🛛 Special Day Month: 3 💌 Day: 11 💌	Cancel
Time Range	
⊙ Constant OVariable	
Changeable with Schedule Setting Table	
Start Time: 07 : 00 : 00	
End Time: 20 · 00 · 00	

(4) Schedule Setting Table

ID	Name	Status	Set	Start	End	Applied Days
1	Suger #1			07:00:00	20:00:00	MON/WED/FRI
2	Suger #2			07:00:00	20:00:00	TUE/THU/SAT
3	Suger #1 (Control)			07:00:00	20:00:00	MON/WED/FRI
4	Suger #2 (Control)			07:00:00	20:00:00	TUE/THU/SAT

Notification:

 The Time schedule features are one time actions. When the Start Time is reached, the designated device address is written to just once. The write action is not repeated.



- 2) The Start Value and the Prohibit Action Bit are read only once at the beginning of the time range. Since regular readout is not possible, there may be a slight data communication delay that causes a slight delay in the Start Time. For the same reason, the delay may also occur in the End Time.
- 3) When the time range of a schedule is changed by whatever method and the current time is inside the time range, the start action is performed.
- 4) When the same Start Times and End Times appear in multiple schedules, they are handled in order, starting from the smallest schedule number.
- 5) If the Start Action is completed and then a power outage occurs, the End Action will be performed at the End Time after the power is resumed.



Contact Information If you have any technical problems, please contact us.

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