Classification	ISaGRAF Engli	sh FAQ-0	56						
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How to do periodic operation on ISaGRAF PAC? The The "BLINK" function block can apply to generate a Pulse True periodically. So it can apply in some periodic operations like as below.									
(* LD program *) I	BLINK RUN Q 2s-CYCLE		¥ Pulse1 ≎⊳		ulse1" is Boole riodic operatic		conds		
<pre>(* ST program *) IF Pulse1 THEN (* above LD program will generate a pulse TRUE in "pulse1" variable *) (* do operation *) (* *) END_IF;</pre>									
The above program has a disadvantage. When the periodic interval time is short, for example – 200ms or smaller, or the PAC's PLC scan time is bigger, the operation time will not be precise. For example to do a periodic operation every 50 milli-second. Because 50ms is a shorter interval, it is much closer to the PLC scan time compared to interval time of 250 ms or 2 seconds, the result time will not be precise. To improve this, following codes can be applied.									
T1	IT := False ; := T#0s ; _next := T1 tart (T1) ;		Oms ; Co., Ltd. Techn	"T1" a	is declared as And init as nd "T1_next"	TRUE			

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IF T	1 >= T1_next THEN	Timer	will be overflo	ow if it is ticl	king to			
		T#23h59m59s999ms. So we can reset it to						
I.	IF T1 > T#22h THEN							
	T1 := T#0s;	"16h" whatever a bigger time you like.						
_	T1_next := T#0s ;							
E	ND_IF ;							
т	T1_next := T1_next + T#50ms ; (* calcula	te next operat	tion time *)				
	* do operation *) * *)							
END	IF ;							
_								
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