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How to use							•	
The I-8417/8817/8 function since be			Wincon-8x37/8	8x36 & V	Vincon-8x47/8	3x46 suppor	ts new retain	
	X607 or X608: X607 or X608: 6 or S512: driv	driver v	er. 2.05 or later er. 2.04 or later 07 or later (bet	r (better	to be 2.15 or	later)		
new ba W-87x7/87x	6+ S256 or S512: ack-plane of WB- 6+ S256 or S512: ack-plane of WB-	831 (For a driver ve	3-slot): Rev 2.6 er. 3.18 or late	(deliver r (better	ed since 2006 to be 3.36 or) later) with		
If battery backup X607/X608, Wind retain function a	con-83x7/87x7/83	x6/87x6: S	256/S512), the	maximu	um number of	retained va	ariables for new	
-	188EG/XG+X607 incon+S256/512				6/512			
Retain_N: re Retain_F: re Retain_T: re	Retain_B: retain Boolean variable.Target 1: max. 256 variables, Target 2: max. 1024.Retain_N: retain Integer variable.Target 1: max. 1024 variables, Target 2: max. 4096.Retain_F: retain Real variable.Target 1: max. 1024 variables, Target 2: max. 4096.Retain_T: retain Timer variable.Target 1: max. 256 variables, Target 2: max. 4096.Retain_T: retain Timer variable.Target 1: max. 256 variables, Target 2: max. 1024.Retain_X: retain variable by using its Network addressTarget 1: max. 256 variables, Target 2: max. 1024.							
Advantage of ne	w Retained func	tions						
1. The retain valu modifying, re-co (Old retained fur	mpiling & downl	oad a new	v ISaGRAF proj	ect. Exce	pt the batter	y running ou	ut of its energy.	
2. Number of ret	ained variables i	s much m	ore than old m	ethod.				
Please refer to b	elow two ST exar	mples to u	ise new retain	function				
Important: To use new retai controller is I-71	=					-	ow. And if your nnection window	

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Integer/Real Name: Commeni Unit: Attribu © Int © Int © Int © Co	V01 t: tes ernal	Format © Integer © <u>R</u> eal Initial value: Fetain	Conversi	To use new do not chec	Store retain function k "Retain" or dictionary wir	on, please the	
File Edit Image: Second sec	tatus	elp		= 608	_		
5 6 7 8 9 10 11	correct 607: X6 608: X6	507					
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Sample program:									
(* These Retain_? Functions should be called only once in the first PLC scan cycle as below code *)									
(* To_Retain is declared as an internal Boolean variable with initial value as TRUE *) (* Tmp is declared as an internal Boolean variable *)									
(* Check1 is declared as internal Integer variable, do not check "Retain" in it in the dictionary windows. This "Check1" variable is for identification if the initial value of the retained variables were well set or not. For example, we can define if "Check1" value is 1357246, it means all initial value of retained variables are well set. Then the control program can go. However if "Check1" is not 1357246, it means some initial value of retained variables haven't been set. Then the control program CAN NOT go. Because it will generate error (some retained value are not set yet). So user has to set necessary initial value of the retained variables once at least. Then set "Check1" as 1357246. *) (* B1, B2 is declared as internal Boolean variable, Do not check "Retain" *) (* N1, N2 is declared as internal Integer variable, Do not check "Retain" *) (* F1, F2 is declared as internal Real variable, Do not check "Retain" *)									
(* T1 , T2 is declared as internal Timer variable, Do not check "Retain" *) (* To set retained variables when controller is start running *)									
if To_Retain then									
To Retain := False ; (* Only do it once *)									
Tmp := Retain_N(Check1, 1); (* for identification *)									
Tmp := Reta	in_B(B1 , 1) ;	Ттр	:= Retain_B(B	2 , 2) ;	-	-			
Tmp := Reta	in_N(N1 , 11) ; in_F(F1 , 1) ; in_T(T1 , 1) ;	Tmp	:= Retain_N(I := Retain_F(F2 := Retain_T(T2	, 2);	(* Real *))			
end_if ;									
(* After then Check1, B1, B2, N1, N2, F1, F2, T1, T2 will be automatically retained in the program *)									

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Then after in the following Ladder programs, user may add below statement to check the "Check1" value.
  (* If Check1 is not equal to 1357246, exit this program to run next program *)
                                      <>
                                en
                                              q
                      Check1-in1
                     1357246-lin2
Then after in the following ST programs, user may add below statement to check the "Check1" value.
        (* If Check1 is not equal to 1357246, exit this program to run next program *)
        if Check1 <> 1357246 then
           return;
        end_if;
         •••
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```