CFC Applications Reset of MinMax values

Reset of MinMax values

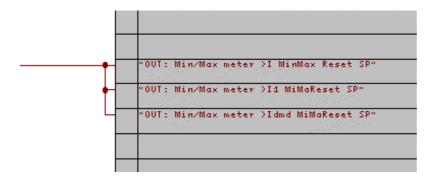
In SIPROTEC 4 devices minimum, maximum and average values can be calculated. The minimum and maximum values can be programmed to reset automatically at any desired time.

If an additional user defined re-set is required, e.g. by pressing the function key, this can be implemented by CFC logic. In the CFC chart, the minimum and maximum values are reset by a timer gate (to prolong the impulse signal of the function key), which was triggered by the F1 function key.

The function key 1 is assigned to a user defined annunciation in the I/O matrix (see picture 2 and 3). In this example three minimum and maximum values are implemented.





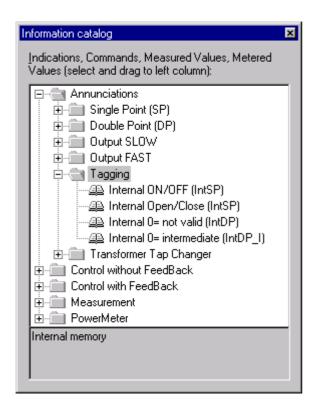


Picture 1 :CFC chart

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Picture 2: Implementation in the input/output matrix

ß	Information						So	ourc	се													natio			
	No.	Display text:	Long text:	Туре	BI F C								C	30 LE	-	Buffer			С	В	CM				
					8	9	10 1	1 1:	2 13	14	15	16 1	7 18	3 19	20		-	الا	<u>-</u>	S	Т		- 3	C D	
Device, General	1														П	,	:	Т	*			* :	k	\top	
P.System Data 1					П		Т	Т	Т	П		Т	Т	Т	П	T		T	*	Т		*	T	\Box	
Osc. Fault Rec.					П		Т	Т	Т	П		П	Т	Т	П	,		T	*	Т		* :			
P.System Data 2							Т	Т	Т	П			Т	Т	П	T		T	*		*	* :			
50/51 Overcur.							Т	Т	Т	П				Т	П	T		T	*		*	*	Т	\Box	
67 Direct. O/C										П				П	П	T			*		*	*	Т	\Box	
Measurem.Superv										П					П	T			*			*	Т	\neg	
50BF BkrFailure										П					П	П			*		*	*	Т	\neg	
Cntrl Authority					П		Т	Т	Т	П		П	Т	Т	П	,		T	*	Т		* :	*		
Control Device					*	* :	* *	Т	Т	П			Т	Т	П	,		T	*			* :	* *	*	
Process Data								*	*	*	*	* *	*		*	* /			*			* :	*	*	
Measurement		Superv.Pressure	Supervision Pressure	OUT)	К		0)					
		Superv.Temp.	Supervision Temperature	OUT)	К		0)					
Demand meter										П	П				П							П	Т	\Box	
Min/Max meter	00395	>l MinMax Reset	>I MIN/MAX Buffer Reset	SP)	К	П	0			П	Т	\Box	П
	00396	>I1 MiMaReset	>I1 MIN/MAX Buffer Reset	SP													К	П	0			П	Т	\Box	
	00403	>ldmd MiMaReset	>ldmd MIN/MAX Buffer Reset	SP)	К	П	0			П	Т	\Box	П
	00397	>V MiMaReset	>V MIN/MAX Buffer Reset	SP				Т	Т						П	П		Т	0			П			
	00398	>VphphMiMaRes	>Vphph MIN/MAX Buffer Reset	SP					Т					Т					0			П		\Box	
	00399	>V1 MiMa Reset	>V1 MIN/MAX Buffer Reset	SP				Т	Т					Т	П	\neg			0			П	Т	\Box	
	00400	>P MiMa Reset	>P MIN/MAX Buffer Reset	SP			Т	Т	Т	П	П	Т		Т	П	П		Т	0			П	Т	\Box	П
	00401	>S MiMa Reset	>S MIN/MAX Buffer Reset	SP										Т		Т			0			П	Т		
	00402	>Q MiMa Reset	>Q MIN/MAX Buffer Reset	SP										Т		Т			0			П	Т		П
	00404	>Pdmd MiMaReset	>Pdmd MIN/MAX Buffer Reset	SP										Т		\neg			0			П			
	00405	>Qdmd MiMaReset	>Qdmd MIN/MAX Buffer Reset	SP										Т		\neg			0			П		\Box	
	00406	>Sdmd MiMaReset	>Sdmd MIN/MAX Buffer Reset	SP				Т	Т	П				Т	П	\neg			0			П	Т	\Box	
	00407	>Frq MiMa Reset	>Frq. MIN/MAX Buffer Reset	SP			Т	Т	Т	П	П	Т		Т	П	П		Т	0			П	Т	\Box	П
	00408	>PF MiMaReset	>Power Factor MIN/MAX Buffer Reset	SP					Т					Т		Т			0			П	Т		
		F1	Min/Max meter MiMaxReset	IntSP												1		Т	00)			Х	\Box	
Set Points(MV)																,	t		*			*	T		
Energy							Т	Т	Т	П				Т	П	T		T		Т		П		\Box	
Statistic									Т					Т		7		T	*			П		Т	
SetPoint(Stat)	00272	SP. Op Hours>	Set Point Operating Hours	OUT															00)		х			



Picture 3: Annunciation "Internal Single Point" IntSP for the function keys