Haiwell PLC SM System Status Bit

SM system status bit is a group of special internal relay of the system, can be used unlimited in the program, each SM has a special function. Do not use the SM which unlisted.

SM	Function Declare	R/W	Power-Off Preserve	Default
SM0	On during running, Off during stopping	R	No	0
SM1	Off during running, On during stopping	R	No	0
SM2	On during the first scan when PLC starts RUN and then be Off	R	No	0
SM3	10ms clock pulse	R	No	0
SM4	100ms clock pulse	R	No	0
SM5	1s clock pulse	R	No	0
SM8	Scan time-out	R	No	0
SM9	PLC switch status	R	No	0
SM10	Run status	R	No	0
SM11	System failure	R	No	0
SM12	Hardware configure table mismatch the module	R	No	0
SM13	Battery in low voltage, malfunction or no battery	R	No	0
SM14	Divide by zero flag	R	No	0
SM15	Data overflow flag	R	No	0
SM16	COM1 communicate error	R	No	0
SM17	COM2 communicate error	R	No	0
SM18	COM3 communicate error	R	No	0
SM19	COM4 communicate error	R	No	0
SM20	COM5 communicate error	R	No	0
SM25	HSC0 study mode control, 0-Normal mode 1-study mode	R/W	No	0
SM26	HSC0 confirm the study control	R/W	No	0
SM27	HSC0 reset control 0 is automatic reset 1 is not reset	R/W	No	0
SM30	HSC0 direction 0-Addition 1-Subtract	R	No	0
SM31	HSC0 error	R	No	0
SM33	HSC1 study mode control, 0-Normal mode 1-study mode	R/W	No	0
SM34	HSC1 confirm the study control	R/W	No	0
SM35	HSC1 reset control 0 is automatic reset 1 is not reset	R/W	No	0
SM38	HSC1 direction 0-Addition 1-Subtract	R	No	0
SM39	HSC1 error	R	No	0
SM41	HSC2 study mode control, 0-Normal mode 1-study mode	R/W	No	0
SM42	HSC2 confirm the study control	R/W	No	0
SM43	HSC2 reset control 0 is automatic reset 1 is not reset	R/W	No	0
SM46	HSC2 direction 0-Addition 1-Subtract	R	No	0
SM47	HSC2 error	R	No	0
SM49	HSC3 study mode control, 0-Normal mode 1-study mode	R/W	No	0
SM50	HSC3 confirm the study control	R/W	No	0
SM51	HSC3 reset control 0 is automatic reset 1 is not reset	R/W	No	0
SM54	HSC3 direction 0-Addition 1-Subtract	R	No	0
SM55	HSC3 error	R	No	0
SM57	HSC4 study mode control, 0-Normal mode 1-study mode	R/W	No	0

SM58	HSC4 confirm the study control	R/W	No	0
SM59	HSC4 reset control 0 is automatic reset 1 is not reset	R/W	No	0
SM62	HSC4 direction 0-Addition 1-Subtract	R	No	0
SM63	HSC4 error	R	No	0
SM65	HSC5 study mode control, 0-Normal mode 1-study mode	R/W	No	0
SM66	HSC5 confirm the study control	R/W	No	0
SM67	HSC5 reset control 0 is automatic reset 1 is not reset	R/W	No	0
SM70	HSC5 direction 0-Addition 1-Subtract	R	No	0
SM71	HSC5 error	R	No	0
SM73	HSC6 study mode control, 0-Normal mode 1-study mode	R/W	No	0
SM74	HSC6 confirm the study control	R/W	No	0
SM75	HSC6 reset control 0 is automatic reset 1 is not reset	R/W	No	0
SM78	HSC6 direction 0-Addition 1-Subtract	R	No	0
SM79	HSC6 error	R	No	0
SM81	HSC7 study mode control, 0-Normal mode 1-study mode	R/W	No	0
SM82	HSC7 confirm the study control	R/W	No	0
SM83	HSC7 reset control 0 is automatic reset 1 is not reset	R/W	No	0
SM86	HSC7 direction 0-Addition 1-Subtract	R	No	0
SM87	HSC7 error	R	No	0
SM93	PLS0 prohibit the forward pulse	R/W	yes	0
SM94	PLS0 prohibit the reverse pulse	R/W	yes	0
SM95	PLS0 prohibit the brake function	R/W	yes	0
SM96	PLS0 pulse output flag	R	yes	0
SM97	PLS0 pulse output direction flag 0-forward 1-Reverse	R	yes	0
SM98	PLS0 error flag	R	yes	0
SM99	PLS0 position mode 0-relatively mode 1-absolutely mode	R/W	yes	0
SM100	PLS0 output when position complete	R	yes	0
SM109	PLS1 prohibit the forward pulse	R/W	yes	0
SM110	PLS1 prohibit the reverse pulse	R/W	yes	0
SM111	PLS1 prohibit the brake function	R/W	yes	0
SM112	PLS1 pulse output flag	R	yes	0
SM113	PLS1 pulse output direction flag 0-forward 1-Reverse	R	yes	0
SM114	PLS1 error flag	R	yes	0
SM115	PLS1 position mode 0-relatively mode 1-absolutely mode	R/W	yes	0
SM116	PLS1 output when position complete	R	yes	0
SM125	PLS2 prohibit the forward pulse	R/W	yes	0
SM126	PLS2 prohibit the reverse pulse	R/W	yes	0
SM127	PLS2 prohibit the brake function	R/W	yes	0
SM128	PLS2 pulse output flag	R	yes	0
SM129	PLS2 pulse output direction flag 0-forward 1-Reverse	R	yes	0
SM130	PLS2 error flag	R	yes	0
SM131	PLS2 position mode 0-relatively mode 1-absolutely mode	R/W	yes	0
SM132	PLS2 output when position complete	R	yes	0
SM141	PLS3 prohibit the forward pulse	R/W	yes	0
SM142	PLS3 prohibit the reverse pulse	R/W	yes	0
SM143	PLS3 prohibit the brake function	R/W	yes	0
SM144	PLS3 pulse output flag	R	yes	0

SM145	PLS3 pulse output direction flag 0-forward 1-Reverse	R	yes	0
SM146	PLS3 error flag	R	yes	0
SM147	PLS3 position mode 0-relatively mode 1-absolutely mode	R/W	yes	0
SM148	PLS3 output when position complete	R	yes	0
SM157	PLS4 prohibit the forward pulse	R/W	yes	0
SM158	PLS4 prohibit the reverse pulse	R/W	yes	0
SM159	PLS4 prohibit the brake function	R/W	yes	0
SM160	PLS4 pulse output flag	R	yes	0
SM161	PLS4 pulse output direction flag 0-forward 1-Reverse	R	yes	0
SM162	PLS4 error flag	R	yes	0
SM163	PLS4 position mode 0-relatively mode 1-absolutely mode	R/W	yes	0
SM164	PLS4 output when position complete	R	yes	0
SM173	PLS5 prohibit the forward pulse	R/W	yes	0
SM174	PLS5 prohibit the reverse pulse	R/W	yes	0
SM175	PLS5 prohibit the brake function	R/W	yes	0
SM176	PLS5 pulse output flag	R	yes	0
SM177	PLS5 pulse output direction flag 0-forward 1-Reverse	R	yes	0
SM178	PLS5 error flag	R	yes	0
SM179	PLS5 position mode 0-relatively mode 1-absolutely mode	R/W	yes	0
SM180	PLS5 output when position complete	R	yes	0
SM189	PLS6 prohibit the forward pulse	R/W	yes	0
SM190	PLS6 prohibit the reverse pulse	R/W	yes	0
SM191	PLS6 prohibit the brake function	R/W	yes	0
SM192	PLS6 pulse output flag	R	yes	0
SM193	PLS6 pulse output direction flag 0-forward 1-Reverse	R	yes	0
SM194	PLS6 error flag	R	yes	0
SM195	PLS6 position mode 0-relatively mode 1-absolutely mode	R/W	yes	0
SM196	PLS6 output when position complete	R	yes	0
SM205	PLS7 prohibit the forward pulse	R/W	yes	0
SM206	PLS7 prohibit the reverse pulse	R/W	yes	0
SM207	PLS7 prohibit the brake function	R/W	yes	0
SM208	PLS7 pulse output flag	R	yes	0
SM209	PLS7 pulse output direction flag 0-forward 1-Reverse	R	yes	0
SM210	PLS7 error flag	R	yes	0
SM211	PLS7 position mode 0-relatively mode 1-absolutely mode	R/W	yes	0
SM212	PLS7 output when position complete	R	yes	0

SV System Register

SV system register is a group of special internal register of the system, can be used unlimited in the program, each SV has a special function. Do not use the SM which unlisted.

SV	Function Declare	R/W	Power-Off Preserve	Default
SV0	The present scan time(unit 0.1ms)	R	No	0
SV1	The minimum scan time(unit 0.1ms)	R	No	0
SV2	The maximum scan time(unit 0.1ms)	R	No	0
SV3	System fault code, detail see the system fault code table	R	No	0
SV4	COM1 communicate error code	R	No	0
SV5	COM2 communicate error code	R	No	0
SV6	COM3 communicate error code	R	No	0
SV7	COM4 communicate error code	R	No	0
SV8	COM5 communicate error code	R	No	0
SV9	Modbus TCP client port setting, server port fixed as 502	R	No	0
SV11	AI input on the CPU module break off alarm every bit express one channel 0-Normal 1-break off	R	No	0
SV12	Year	R	No	0
SV13	Month(1-12)	R	No	0
SV14	Day(1-31)	R	No	0
SV15	Hour(0-23)	R	No	0
SV16	Minute(0-59)	R	No	0
SV17	Second(0-59)	R	No	0
SV18	Week(1-7,Monday~Sunday)	R	No	0
SV19	PLC station's name	R/W	yes	0
SV20	PLC station's name	R/W	yes	0
SV21	PLC station's name	R/W	yes	0
SV22	PLC station's name	R/W	yes	0
SV23	PLC station's name	R/W	yes	0
SV24	PLC station's name	R/W	yes	0
SV25	Timer of program scan time-out(unit ms)	R/W	yes	200 ms
SV26	PLC address 1~254	R	yes	1
SV27	Low byte is expansion modules 0~31 High byte is type	R	yes	0
SV28	Low byte is CPU’s type High byte is CPU’s version	R	yes	0
SV29	Low byte is first expansion module's code High byte is first expansion module's version	R	yes	0
SV30	Low byte is second expansion module's code High byte is second expansion module's version	R	yes	0
SV31	Low byte is third expansion module's code High byte is third expansion module's version	R	yes	0
SV32	Low byte is fourth expansion module's code High byte is fourth expansion module's version	R	yes	0
SV33	Low byte is fifth expansion module's code High byte is fifth expansion module's version	R	yes	0

SV34	Low byte is sixth expansion module's code High byte is sixth expansion module's version	R	yes	0
SV35	Low byte is seventh expansion module's code High byte is seventh expansion module's version	R	yes	0
SV36	Low byte is eighth expansion module's code High byte is eighth expansion module's version	R	yes	0
SV37	Low byte is ninth expansion module's code High byte is ninth expansion module's version	R	yes	0
SV38	Low byte is tenth expansion module's code High byte is tenth expansion module's version	R	yes	0
SV39	Low byte is eleventh expansion module's code High byte is eleventh expansion module's version	R	yes	0
SV40	Low byte is twelfth expansion module's code High byte is twelfth expansion module's version	R	yes	0
SV41	Low byte is thirteenth expansion module's code High byte is thirteenth expansion module's version	R	yes	0
SV42	Low byte is fourteenth expansion module's code High byte is fourteenth expansion module's version	R	yes	0
SV43	Low byte is fifteenth expansion module's code High byte is fifteenth expansion module's version	R	yes	0
SV44	COM1 communicate protocol: Low 4 bit of low byte: 0 - N,8, 2 For RTU 1 - E,8, 1 For RTU 2 - O 8, ,1 For RTU 3 - N,7, 2 For ASCII 4 - E,7, 1 For ASCII 5 - O,7, 1 For ASCII 6 - N,8, 1 For RTU(H/N serial support) High 4 bit of low byte: 0 - 2400 1 - 4800 2 - 9600 3 - 19200 4 - 38400 5 - 57600 6 - 115200(H/N serial support)	R/W	yes	30H,19200, N,8, 2 RTU
SV45	COM1 communicate overtime ,unit ms	R/W	yes	200ms
SV46	COM2 communicate protocol, the same as COM1	R/W	yes	30H
SV47	COM2 communicate overtime ,unit ms	R/W	yes	200ms
SV48	PLC program size	R	yes	0
SV49	Low byte of system clock ,unit 16μs	R	yes	
SV50	High byte of system clock ,unit 16μs	R	yes	
SV54	COM3 communicate protocol, the same as COM1	R/W	yes	30H
SV55	COM3 communicate overtime ,unit ms	R/W	yes	200ms
SV56	COM4 communicate protocol, the same as COM1	R/W	yes	30H
SV57	COM4 communicate overtime ,unit ms	R/W	yes	200ms
SV58	COM5 communicate protocol, the same as COM1	R/W	yes	30H
SV59	COM5 communicate overtime ,unit ms	R/W	yes	200ms
SV60	HSC0 current segment number	R	yes	0
SV61	HSC0 low word of current value	R	yes	0
SV62	HSC0 high word of current value	R	yes	0
SV63	HSC0 error code	R	yes	0
SV64	HSC1 current segment number	R	yes	0
SV65	HSC1 low word of current value	R	yes	0
SV66	HSC1 high word of current value	R	yes	0

SV67	HSC1 error code	R	yes	0
SV68	HSC2 current segment number	R	yes	0
SV69	HSC2 low word of current value	R	yes	0
SV70	HSC2 high word of current value	R	yes	0
SV71	HSC2 error code	R	yes	0
SV72	HSC3 current segment number	R	yes	0
SV73	HSC3 low word of current value	R	yes	0
SV74	HSC3 high word of current value	R	yes	0
SV75	HSC3 error code	R	yes	0
SV76	HSC4 current segment number	R	yes	0
SV77	HSC4 low word of current value	R	yes	0
SV78	HSC4 high word of current value	R	yes	0
SV79	HSC4 error code	R	yes	0
SV80	HSC5 current segment number	R	yes	0
SV81	HSC5 low word of current value	R	yes	0
SV82	HSC5 high word of current value	R	yes	0
SV83	HSC5 error code	R	yes	0
SV84	HSC6 current segment number	R	yes	0
SV85	HSC6 low word of current value	R	yes	0
SV86	HSC6 high word of current value	R	yes	0
SV87	HSC6 error code	R	yes	0
SV88	HSC7 current segment number	R	yes	0
SV89	HSC7 low word of current value	R	yes	0
SV90	HSC7 high word of current value	R	yes	0
SV91	HSC7 error code	R	yes	0
SV92	PLS0 current segment number	R	yes	0
SV93	PLS0 low word of pulse output number	R	yes	0
SV94	PLS0 high word of pulse output number	R	yes	0
SV95	PLS0 low word of current position	R	yes	0
SV96	PLS0 high word of current position	R	yes	0
SV97	PLS0 error code	R	yes	0
SV98	PLS1 current segment number	R	yes	0
SV99	PLS1 low word of pulse output number	R	yes	0
SV100	PLS1 high word of pulse output number	R	yes	0
SV101	PLS1 low word of current position	R	yes	0
SV102	PLS1 high word of current position	R	yes	0
SV103	PLS1 error code	R	yes	0
SV104	PLS2 current segment number	R	yes	0
SV105	PLS2 low word of pulse output number	R	yes	0
SV106	PLS2 high word of pulse output number	R	yes	0

SV107	PLS2 low word of current position	R	yes	0
SV108	PLS2 high word of current position	R	yes	0
SV109	PLS2 error code	R	yes	0
SV110	PLS3 current segment number	R	yes	0
SV111	PLS3 low word of pulse output number	R	yes	0
SV112	PLS3 high word of pulse output number	R	yes	0
SV113	PLS3 low word of current position	R	yes	0
SV114	PLS3 high word of current position	R	yes	0
SV115	PLS3 error code	R	yes	0
SV116	PLS4 current segment number	R	yes	0
SV117	PLS4 low word of pulse output number	R	yes	0
SV118	PLS4 high word of pulse output number	R	yes	0
SV119	PLS4 low word of current position	R	yes	0
SV120	PLS4 high word of current position	R	yes	0
SV121	PLS4 error code	R	yes	0
SV122	PLS5 current segment number	R	yes	0
SV123	PLS5 low word of pulse output number	R	yes	0
SV124	PLS5 high word of pulse output number	R	yes	0
SV125	PLS5 low word of current position	R	yes	0
SV126	PLS5 high word of current position	R	yes	0
SV127	PLS5 error code	R	yes	0
SV128	PLS6 current segment number	R	yes	0
SV129	PLS6 low word of pulse output number	R	yes	0
SV130	PLS6 high word of pulse output number	R	yes	0
SV131	PLS6 low word of current position	R	yes	0
SV132	PLS6 high word of current position	R	yes	0
SV133	PLS6 error code	R	yes	0
SV134	PLS7 current segment number	R	yes	0
SV135	PLS7 low word of pulse output number	R	yes	0
SV136	PLS7 high word of pulse output number	R	yes	0
SV137	PLS7 low word of current position	R	yes	0
SV138	PLS7 high word of current position	R	yes	0
SV139	PLS7 error code	R	yes	0
SV140	When value is -23206 prohibit all output of Y	R/W	yes	0
SV141	COM1 communicate instruction execute interval unit ms	R/W	yes	0
SV142	The soft address of PLC(1~254)	R	yes	0
SV143	The setted address of the external DIP switch	R	yes	0
SV144	Low word of serial number	R	yes	0
SV145	High word of serial number	R	yes	0
SV146	Time of the direction output before the pulse output(5~100us)	R/W	yes	5

SV151	Number of locked data	R	yes	0
SV152	IP address,default:192.168.1.111	R/W	yes	0x0058
SV153	IP address,default:192.168.1.111	R/W	yes	0xC0A8
SV154	Subnet mask,default:255.255.255.0	R/W	yes	0xFF00
SV155	Subnet mask,default:255.255.255.0	R/W	yes	0xFFFF
SV156	PLS0 low word of mechanical original point	R	yes	0
SV157	PLS0 high word of mechanical original point	R	yes	0
SV158	PLS0 number of pulses to compensate the reverse interval	R/W	yes	0
SV159	PLS0 follow performance parameters,range:1~100	R/W	yes	50
SV160	PLS1 low word of mechanical original point	R	yes	0
SV161	PLS1 high word of mechanical original point	R	yes	0
SV162	PLS1 number of pulses to compensate the reverse interval	R/W	yes	0
SV163	PLS1 follow performance parameters,range:1~100	R/W	yes	50
SV164	PLS2 low word of mechanical original point	R	yes	0
SV165	PLS2 high word of mechanical original point	R	yes	0
SV166	PLS2 number of pulses to compensate the reverse interval	R/W	yes	0
SV167	PLS2 follow performance parameters,range:1~100	R/W	yes	50
SV168	PLS3 low word of mechanical original point	R	yes	0
SV169	PLS3 high word of mechanical original point	R	yes	0
SV170	PLS3 number of pulses to compensate the reverse interval	R/W	yes	0
SV171	PLS3 follow performance parameters,range:1~100	R/W	yes	50
SV172	PLS4 low word of mechanical original point	R	yes	0
SV173	PLS4 high word of mechanical original point	R	yes	0
SV174	PLS4 number of pulses to compensate the reverse interval	R/W	yes	0
SV175	PLS4 follow performance parameters,range:1~100	R/W	yes	50
SV176	PLS5 low word of mechanical original point	R	yes	0
SV177	PLS5 high word of mechanical original point	R	yes	0
SV178	PLS5 number of pulses to compensate the reverse interval	R/W	yes	0
SV179	PLS5 follow performance parameters,range:1~100	R/W	yes	50
SV180	PLS6 low word of mechanical original point	R	yes	0
SV181	PLS6 high word of mechanical original point	R	yes	0
SV182	PLS6 number of pulses to compensate the reverse interval	R/W	yes	0
SV183	PLS6 follow performance parameters,range:1~100	R/W	yes	50
SV184	PLS7 low word of mechanical original point	R	yes	0
SV185	PLS7 high word of mechanical original point	R	yes	0
SV186	PLS7 number of pulses to compensate the reverse interval	R/W	yes	0
SV187	PLS7 follow performance parameters,range:1~100	R/W	yes	50
SV801	HSC0 low word of frequency	R	yes	0
SV802	HSC0 high word of frequency	R	yes	0
SV803	HSC1 low word of frequency	R	yes	0

SV804	HSC1 high word of frequency	R	yes	0
SV805	HSC2 low word of frequency	R	yes	0
SV806	HSC2 high word of frequency	R	yes	0
SV807	HSC3 low word of frequency	R	yes	0
SV808	HSC3 high word of frequency	R	yes	0
SV809	HSC4 low word of frequency	R	yes	0
SV810	HSC4 high word of frequency	R	yes	0
SV811	HSC5 low word of frequency	R	yes	0
SV812	HSC5 high word of frequency	R	yes	0
SV813	HSC6 low word of frequency	R	yes	0
SV814	HSC6 high word of frequency	R	yes	0
SV815	HSC7 low word of frequency	R	yes	0
SV816	HSC7 high word of frequency	R	yes	0
SV817	Historical fault code	R	yes	0
SV818	Historical fault code	R	yes	0
SV819	Historical fault code	R	yes	0
SV820	Historical fault code	R	yes	0
SV821	Historical fault code	R	yes	0
SV822	Historical fault code	R	yes	0
SV823	Historical fault code	R	yes	0
SV824	Historical fault code	R	yes	0
SV825	Historical fault code	R	yes	0
SV826	Historical fault code	R	yes	0
SV827	Historical fault code	R	yes	0
SV828	Historical fault code	R	yes	0
SV829	Historical fault code	R	yes	0
SV830	Historical fault code	R	yes	0
SV831	Historical fault code	R	yes	0
SV832	Historical fault code	R	yes	0
SV833	COM2 Communicate instruction execute interval unit ms	R/W	yes	0
SV834	COM3 Communicate instruction execute interval unit ms	R/W	yes	0
SV835	COM4 Communicate instruction execute interval unit ms	R/W	yes	0
SV836	COM5 Communicate instruction execute interval unit ms	R/W	yes	0
SV840	System status error code	R	yes	0
SV841	System status error code	R	yes	0
SV842	CPU firmware version date（low byte for year, high byte for month）	R	yes	0
SV843	CPU firmware version date（low byte for day, high byte for hour）	R	yes	0
SV844	FGPA firmware version date（low byte for year, high byte for month）	R	yes	0
SV845	FGPA firmware version date（low byte for day, high byte for hour）	R	yes	0
SV846	Gateway address:(default:192.168.1.1)	R/W	yes	0x0101

SV847	Gateway address:(default:192.168.1.1)	R/W	yes	0xC0A8
SV848	MAC address	R	yes	0
SV849	MAC address	R	yes	0
SV850	MAC address	R	yes	0
SV851	COM1 Communication port timeout exception in receiving characters(in milliseconds)	R/W	yes	0
SV852	COM2 Communication port timeout exception in receiving characters(in milliseconds)	R/W	yes	0
SV853	COM3 Communication port timeout exception in receiving characters(in milliseconds)	R/W	yes	0
SV854	COM4 Communication port timeout exception in receiving characters(in milliseconds)	R/W	yes	0
SV855	COM5 Communication port timeout exception in receiving characters(in milliseconds)	R/W	yes	0

System Interruption Table

Haiwell PLC support 52 system interruption, include pulse output, edge catch, high speed counter and timed interruption.

Interruption No.	Interruption Type	Declare	Priority Level
1	Pulse output interruption	PLS0 pulse output start	High to low (the small interruption no. priority the big interruption no.)
2		PLS0 pulse output complete	
3		PLS1 pulse output start	
4		PLS1 pulse output complete	
5		PLS2 pulse output start	
6		PLS2 pulse output complete	
7		PLS3 pulse output start	
8		PLS3 pulse output complete	
9		PLS4 pulse output start	
10		PLS4 pulse output complete	
11		PLS5 pulse output start	
12		PLS5 pulse output complete	
13		PLS6 pulse output start	
14		PLS6 pulse output complete	
15		PLS7 pulse output start	
16		PLS7 pulse output complete	
17	Edge catch interruption	X0 rise edge catch	
18		X1 rise edge catch	
19		X2 rise edge catch	
20		X3 rise edge catch	
21		X4 rise edge catch	
22		X5 rise edge catch	
23		X6 rise edge catch	
24		X7 rise edge catch	
25		X0 drop edge catch	
26		X1 drop edge catch	
27		X2 drop edge catch	
28		X3 drop edge catch	
29		X4 drop edge catch	
30		X5 drop edge catch	
31		X6 drop edge catch	
32		X7 drop edge catch	
33	High speed counter interruption	HSC0 current value=preset value(each segment preset be generated)	
34		HSC0 input direction changed	
35		HSC1 current value=preset value(each segment preset be generated)	
36		HSC1 input direction changed	
37		HSC2 current value=preset value(each segment preset be generated)	
38		HSC2 input direction changed	
39		HSC3 current value=preset value(each segment preset be generated)	
40		HSC3 input direction changed	

Interruption No.	Interruption Type	Declare	Priority Level
41		HSC4 current value=preset value(each segment preset be generated)	
42		HSC4 input direction changed	
43		HSC5 current value=preset value(each segment preset be generated)	
44		HSC5 input direction changed	
45		HSC6 current value=preset value(each segment preset be generated)	
46		HSC6 input direction changed	
47		HSC7 current value=preset value(each segment preset be generated)	
48		HSC7 input direction changed	
49	Timed interruption	T252 timer reaches target	
50		T253 timer reaches target	
51		T254 timer reaches target	
52		T255 timer reaches target	