

TLC5925 outputs

		SET_SERIAL	SET_PARALLEL	OUT_ENABLE1	OUT_ENABLE2	SENSE1_ON	SENSE2_ON	Out+ (LED_O2+)	S+ (LED_S2+)	S- (LED_S2-)	Out- (LED_O2-)	Out- (LED1)	S- (LED2)	S+ (LED3)	Out+ (LED4)	Standby-by	LED_PWR	K_S2	LED_O2+	LED_S2+	LED_S2-	LED_O2-	K_PAR	K_SER	LED_O1+ Green	LED_O1+ Red	LED_S1+	LED_S1-	LED_O1- Green	LED_O1- Red	K_S1	Not used	TLC5925 code	
																	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0		
1	Serial (no remote sensing)	1	X	1	1	0	0										0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	X	0144h	
2	Parallel (no remote sensing)	0	1	1	1	0	X										0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	X	0244h	
3	Parallel (with remote sensing)	0	1	1	1	1	0										0	0	0	0	0	0	1	0	0	1	1	1	0	1	1	X	0276h	
4	Ch#2 only (no remote sensing)	0	0	0	1	X	0										0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	X	2400h
5	Ch#2 only (with remote sensing)	0	0	0	1	X	1										0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	X	7C00h
6	Ch#1 only (no remote sensing)	0	0	1	0	0	X										0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	X	0088h	
7	Ch#1 only (with remote sensing)	0	0	1	0	1	X										0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	X	00BAh	
8	Both ch (no remote sensing)	0	0	1	1	0	0										0	0	1	0	0	1	0	0	1	0	0	0	1	0	0	X	2488h	
9	Both ch (with remote sensing)	0	0	1	1	1	1										0	1	1	1	1	1	0	0	1	0	1	1	1	0	1	X	7CBAh	
10	Both ch (#1 no remote sensing)	0	0	1	1	0	1										0	1	1	1	1	1	0	0	1	0	0	0	1	0	0	X	7C88h	
11	Both ch (#2 no remote sensing)	0	0	1	1	1	0										0	0	1	0	0	1	0	0	1	0	1	1	1	0	1	X	24BAh	
12	PSU in stand-by mode	0	0	0	0	X	X										1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	X	8000h	

X – don't care

Notes:

- The Remote sense ([OUTPut:SENSe](#)) is forbidden when channels are grouped in serial (SYSTem:GROup:SERial).
- Before channel grouping in serial or parallel all outputs has to be switched off ([OUTPut OFF](#)). New output enable can follow only after 20ms guard time that is required for relay contacts to stabilize ([debouncing](#)).
- Regardless of built-in hardware protection never turn on Out8 and Out9 concurrently.