

#	Function	SET_SERIAL	SET_PARALLEL	OUT_ENABLE1	OUT_ENABLE2	SENSE1_ON	SENSE2_ON	Out+ (LED_O2+)	S+ (LED_S2)	Out- (LED_O2-)	Out- (LED_O1+)	S- (LED_S1)	Out+ (LED_O1-)	Standby-by	TLC5925 outputs																	TLC5925 code	
		15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	LED_PWR	K_S2	LED_O2+	LED_S2+	Not used	LED_O2-	K_PAR	K_SER	LED_O1+ Green	LED_O1+ Red	LED_S1+	Not used	LED_O1- Green	LED_O1- Red		K_S1
1	Serial (no remote sensing)	1	X	1	1	0	0										0	0	0	0	X	0	0	1	0	1	0	X	0	1	0	X	0144h
2	Parallel (no remote sensing)	0	1	1	1	0	X										0	0	0	0	X	0	1	0	0	1	0	X	0	1	0	X	0244h
3	Parallel (with remote sensing)	0	1	1	1	1	0										0	0	0	0	X	0	1	0	0	1	1	X	0	1	1	X	0266h
4	Ch#2 only (no remote sensing)	0	0	0	1	X	0										0	0	1	0	X	1	0	0	0	0	0	X	0	0	0	X	2400h
5	Ch#2 only (with remote sensing)	0	0	0	1	X	1										0	1	1	1	X	1	0	0	0	0	0	X	0	0	0	X	7400h
6	Ch#1 only (no remote sensing)	0	0	1	0	0	X										0	0	0	0	X	0	0	0	1	0	0	X	1	0	0	X	0088h
7	Ch#1 only (with remote sensing)	0	0	1	0	1	X										0	0	0	0	X	0	0	0	1	0	1	X	1	0	1	X	00AAh
8	Both ch (no remote sensing)	0	0	1	1	0	0										0	0	1	0	X	1	0	0	1	0	0	X	1	0	0	X	2488h
9	Both ch (with remote sensing)	0	0	1	1	1	1										0	1	1	1	X	1	0	0	1	0	1	X	1	0	1	X	74AAh
10	Both ch (#1 no remote sensing)	0	0	1	1	0	1										0	1	1	1	X	1	0	0	1	0	0	X	1	0	0	X	7488h
11	Both ch (#2 no remote sensing)	0	0	1	1	1	0										0	0	1	0	X	1	0	0	1	0	1	X	1	0	1	X	24AAh
12	PSU in stand-by mode	0	0	0	0	X	X										1	0	0	0	X	0	0	0	0	0	0	X	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.