



Gear Change Cluster

Yamaha TZ125 / TZ250 / CDi coil drive input

Overview

A Red and Green 'change gear now' indicator with 16 rpm settings selected by a switch. Units with different ranges of RPM are available to suit different fuels or riders etc, each has 16 settings in 100RPM steps.

Operation

On the RPM rising above the RPM point selected the Cluster is illuminated, as the RPM falls 100 rpm below the set point the Cluster will extinguish



Connections

In the noise cone to the tachometer wiring:

- Black to taco black.
- Brown to taco brown
- Orange to taco Orange

Mount the Cluster in the dashboard foam, the rear of the cluster has a M3 threaded hole, the control unit has a self adhesive Velcro pad to allow mounting.

Range Selection

See tables below and specify range on ordering, if a different range or rpm step is required please ask.

Specifications:

Voltage range	11V to 18V
Input Current illuminated	50mA nominal, 100mA max
Input Current not illuminated	2mA nominal, 10mA max
Ignition trigger current	300uA
Ignition trigger voltage	- 100V
Cluster size	26mm
Viewing angle	40 degrees
Indicators	14, 6 red and 8 green
Brightness	2000 - 4000 mcd
Temperature range	-10degC to +60degC
Weight	Approx 80g
RPM step size	100RPM
RPM Hysteresis	100RPM

TYPE : 11,500 – 13,000	<u>Switch Position</u>	<u>Illumination RPM</u>
	0	11,500
	1	11,600
	2	11,700
	3	11,800
	4	11,900
	5	12,000
	6	12,100
	7	12,200
	8	12,300
	9	12,400
	10	12,500
	11	12,600
	12	12,700
	13	12,800
	14	12,900
	15	13,000

TYPE : 12,000 – 13,500	<u>Switch Position</u>	<u>Illumination RPM</u>
	0	12,000
	1	12,100
	2	12,200
	3	12,300
	4	12,400
	5	12,500
	6	12,600
	7	12,700
	8	12,800
	9	12,900
	10	13,000
	11	13,100
	12	13,200
	13	13,300
	14	13,400
	15	13,500

TYPE : 12,500 – 14,000	<u>Switch Position</u>	<u>Illumination RPM</u>
	0	12,500
	1	12,600
	2	12,700
	3	12,800
	4	12,900
	5	13,000
	6	13,100
	7	13,200
	8	13,300
	9	13,400
	10	13,500
	11	13,600
	12	13,700
	13	13,800
	14	13,900
	15	14,000

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Special order : 12,800 – 13,300		
Switch Position	Illumination RPM	
0	11,800	
1	11,900	
2	12,000	
3	12,100	
4	12,200	
5	12,300	
6	12,400	
7	12,500	
8	12,600	
9	12,700	
10	12,800	
11	12,900	
12	13,000	
13	13,100	
14	13,200	
15	13,300	