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updated 07.07.2020

PDCIS-A02T PROGRAMMABLE DC-CDI IGNITION

PDCIS-A02T is single channel DC-CDI with 2 switchable ignition maps, latching stop and automatic power down with extremely low current. It can be programmed with handheld programmer, or PC.

TECHNICAL DATA

Limit values:

- minimum revs	200 RPM
- maximum revs	20000 RPM
- minimum supply voltage	9 Volts
- maximum supply voltage	17 Volts
- recommended power supply voltage	12÷15 Volts
- automatic power down current	0,5 mAmp
- max idle current draw	0,15 Amp
- constant output energy from idle to 14000 RPM (single cylinder)	>55mJ
- output energy at 20000 RPM (single cylinder)	>42mJ
- max current	1,6 Amp

Circuit is protected against reverse supply voltage (wrong connection).

Features:
- fast power-up (also starts only with condenser)
- full power starting spark energy already at 9 Volts power supply
- one isolated input for magnetic pickup
- store and load function for two ignition curves
- external switch for changing ignition map while riding
- soft rev limit (three stage rev limit)
- rev counter output (1 pulse per revolution, 12 Volt square wave)
- easy and fast programming on the field, via hand held programmer and PC
- programming while machine running - you can immediately see effects
- each curve can be set in 4 to 12 curve points
- signal delay compensation
- latching stop
- automatic power down
- instant monitoring of rev's and angle, via LCD(hand held programmer)
- fast processing for high accuracy - delays from 1us
- timing calculation for every 1 RPM change (1000, 1002, .. , 9805, 9806, ...)

Very important!
Resistor spark plugs must be used, because they produce less electromagnetic disturbances.

Danger of electric shock!
Avoid connecting PDCI to 12V power supply, before connecting to ignition coil. High voltage is generated and touching free wires can cause electric shock, or damage the unit.

For manuals, wiring diagrams and programming software visit our web site: www.zeeltronic.com