

DH-ITACD-004A 4-channel Vehicle Detector



Features

- > Vehicle detector function. When the vehicle in the loop detection area, the ITACD-004B can continue sending out the detection signal and support AB logic detection. All detection signal last periods are adjustable.
- > It can connect to external 4 loops and support loop tour function.
- > The detection output mode is adjustable. When the product detects there is any passing vehicle, the output signal modes include: high level output, low level output, dry contact output or RS485 communication mode.
- > Malfunction output: When there is no loop connection or the loop is malfunction, or the device is short-circuited, the product can enable the LED light to generate an alarm. The light auto turns off after the malfunction is fixed.
- > Working parameter setup. The vibration frequency, sensitivity and last time of the ITACD-004B vehicle detector are adjustable.
- > User-friendly interface. Each channel of the ITACD-004B has detection indicator light and malfunction indicator light. The detection indicator light of the corresponding channel is on once the product detects there is any passing vehicle. The malfunction indicator light of the corresponding channel is on once there is any problem.
- > The communication port adopts the RS485. The baud rate is adjustable. The product can
- > send out the loop status, vehicle passing information, last time and etc via the RS485 port.

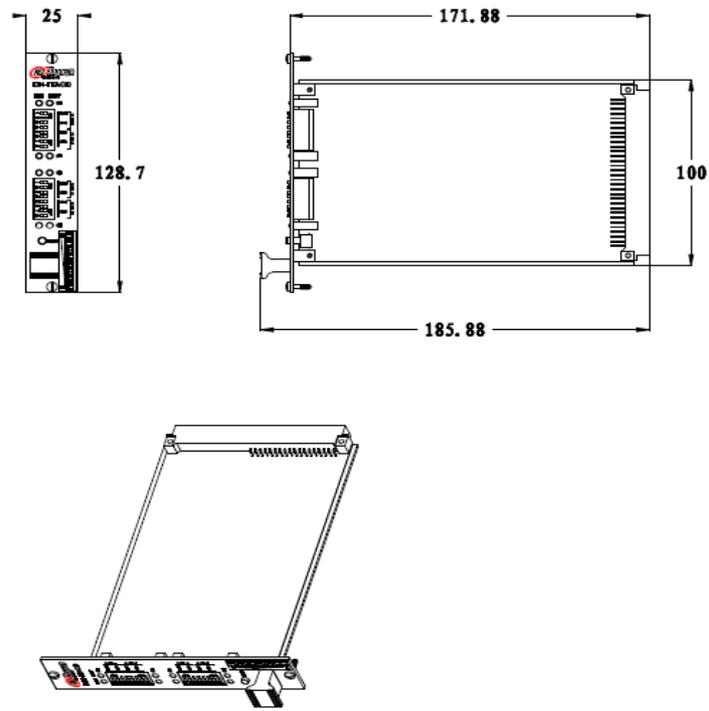
Specifications

Model Parameter	ITACD-004A
Main processor	ATMEL company ATMEGA series high performance MCU
Aux processor	ALTERA company MAXII series high performance CPLD
Vehicle Detector	The device can detect the passing vehicle process when the vehicle is running in the detection zone. The device max supports 4 loops detection

DH-ITACD-004A

	at the same time.
Parameter Setup	Set vehicle detector working parameter via the dial switch button.
Status Display	Display vehicle detector working status via the indicator light.
Communication Port	One RS485 port
Activation Signal Output	Each loop detection channel is for 1-channel signal output. The output high or low level and the contact mode is optional. You can also select the RS485 communication mode to output activating signal.
Malfunction Signal Output	When loop is malfunction or there is short-circuit, system can output malfunction signal.
Loop Input	It can connect to four loop inputs at the same time.
Indicator Light	Power indicator light. Each loop has corresponding one indicator light and one malfunction light.
Dial Switch Button	Three 8-bit dial switch button and one 2-bit dial switch button.
Capture Rate	≥99.9%
Auto Tune	The vehicle detector supports auto tune function.
Base Frequency Auto Refresh	When there is no vehicle running through the loop, the device can auto refresh base frequency. The device can auto compensate the effect of the weather. It max supports 40℃ per hour, which means the weather change within one hour shall be less than 40℃.
AB Logic Detection	The device supports AB logic detection function.
Respond Time	Respond time<20ms
Vibration Frequency	The vibration frequency is adjustable. The internal supports four statuses: the highest, higher, lower and lowest.
Sensitivity Level	The sensitivity of each loop has 8 levels.
Last Time Setup	The last time of each loop has 2 levels.
Button	One reboot button.
Power Input	DC12V±10% It has over voltage, over current, miss connection protection, which guarantees the power supplying safety of the device.
Port Protection	The corresponding output ports all have over current protection function.
Power Consumption	<2W
Working Environment	Working temperature:-30℃~+70℃, Work humidity:10%~90%
Dimensions(mm)	Europe-standard. 185.88mm*128.7mm*25mm independent box structure.
Device Weight	<0.3Kg

Dimensions (mm)



Dahua Technology Co., Ltd.

1199BinAn Road, Binjiang District, Hangzhou, China

Tel: +86-571-87688883

Fax: +86-571-87688815

Email: overseas@dahuatech.com

www.dahuatech.com

*Design and specifications are subject to change without notice.