



# VSS-C80, VSS-C600, VSS-C80/600 Owners Manual

## GENERAL

Vanner VSS Series Current Sensors are designed to operate in the most severe environments. The Current Sensor use Industry Standard Deutsch connectors for ease of integration. The housing is constructed from high strength Glass Filled Polycarbonate, for mounting using #10 or M5 hardware. The DC cable opening will accept up to 4/0 cable with a typical 4/0 lug attached. All desired loads to be monitored must be wired through the appropriate current sensor.

During installation the arrow must point;

- Towards the battery if installed on the Positive cable**
- Away from the battery if installed on the Negative cable.**

## SPECIFICATIONS

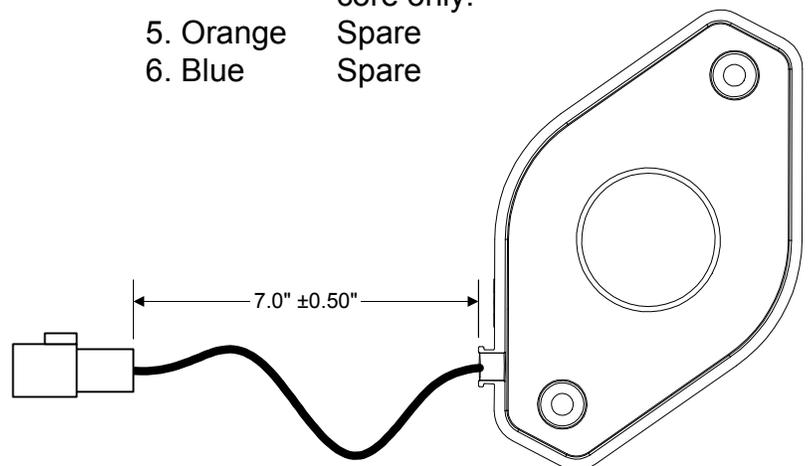
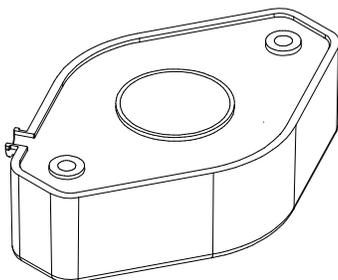
Temperature Range:	-40°F to +125°F (-40°C to +52°C)	
Supply Voltage:	4.5 - 5.5 Vdc	
Supply Current:	25 mA	
Load Resistance:	10kΩ	
Output Voltage:	.5 - 4.5 V	
Weight:	< 1.0 Lbs.	
Max Current:		
VSS-C80	80	Amps
VSS-C600	600	Amps
VSS-V80/600	600	Amps
Sensitivity: @5V supply Voltage	Sensitivity is dependant on the Supply Voltage	
VSS-C80	23.75	mV/A
VSS-C600	3.17	mV/A
VSS-V80/600	23.75,3.17	mV/A
Offset:	50% of the supply Voltage	

Required mating Deutsch connection as follows:

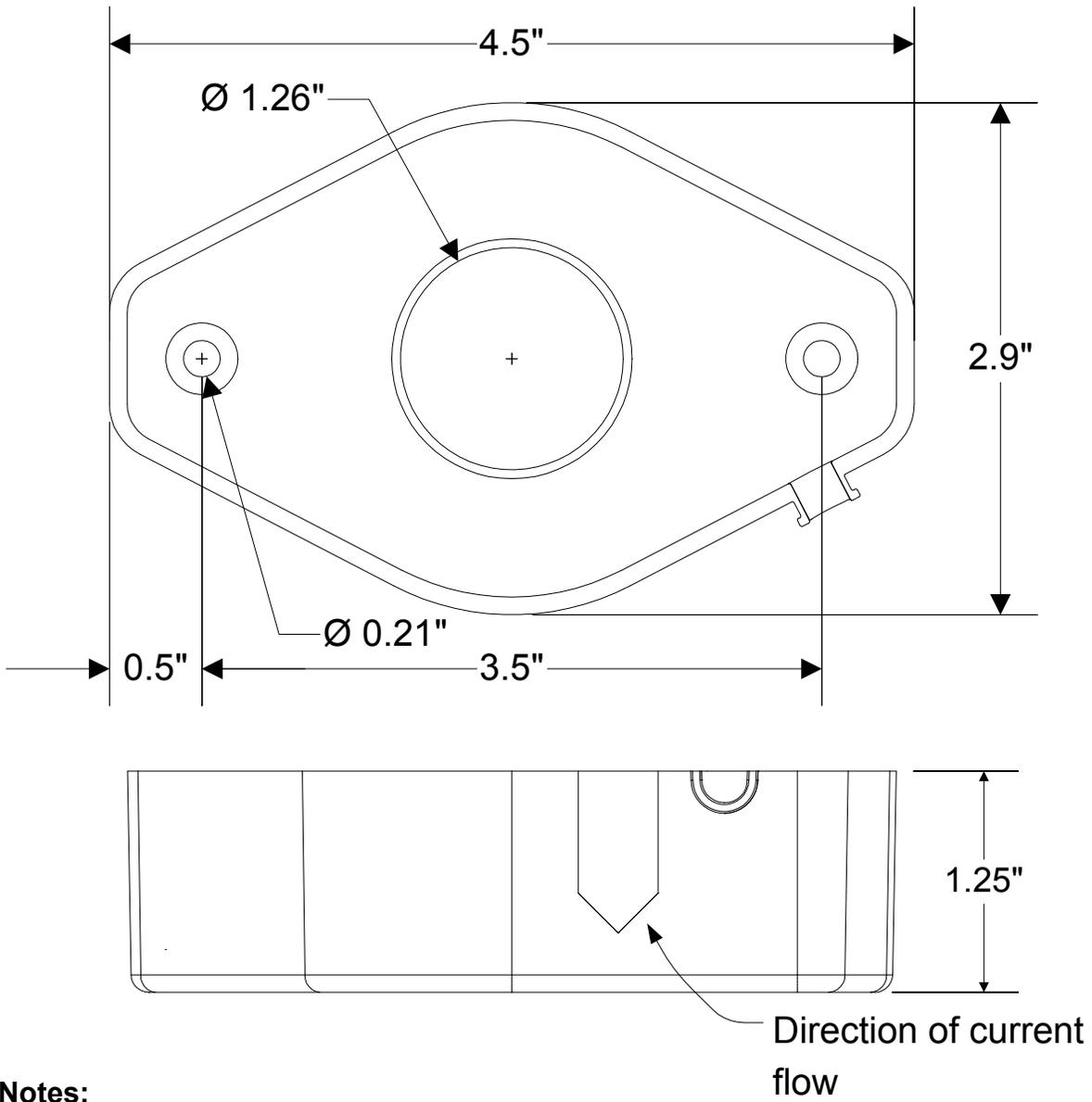
Deutsch Pinout:

Housing: DT04-6P  
 Lock: W6P  
 Sealing Pin: 0413-217-1605  
 Terminal: 0460-202-16141 Solid or  
 1060-16-0122 Stamped,  
 16-18AWG

- 1. Red +5V Input
- 2. Black Ground
- 3. Green Current Sense, 80A or 600A.
- 4. White Current Sense, 600A only, Dual core only.
- 5. Orange Spare
- 6. Blue Spare



### Overall Dimensions



Notes:

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