



Part Number 30-2012 Fluid Temperature Sensor

Kit Contents:

- 1 x Fluid Temp Sensor
- 1 x Mating Connector
- 1 x Connector Lock
- 3 x Terminal

Specs:

- Thread Size 1/8"NPT
- Hex Size 1/2"
- Typical Voltage Supply 5 Vdc
- Operating Temperature
 - Sensor Tip -40C to 200C
 - Connector -40C to 150C
- Typical Pullup Resistor 2K2 Ohms
- Wire Size 22AWG TXL

Pinout:

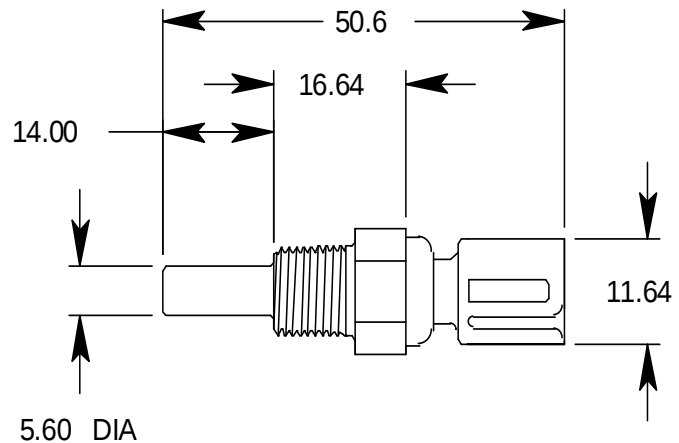
- One wire to sensor ground
- One wire to sensor signal
- Polarity does not matter

Crimper:

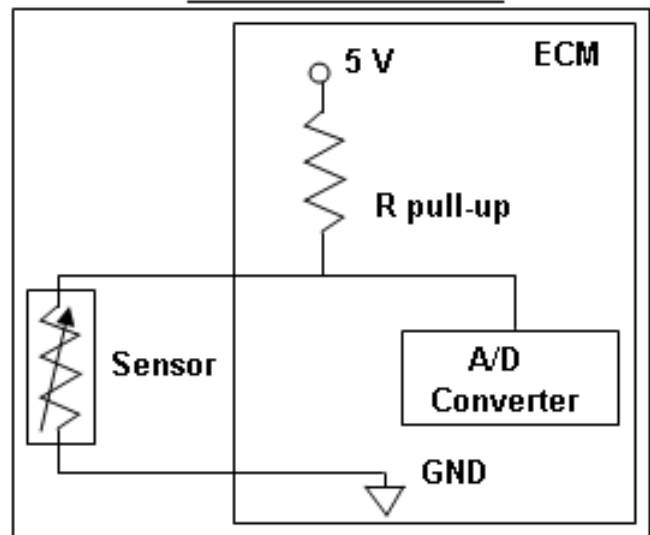
Delphi 12039500 or equivalent

Wire Strip Length:

0.175" to 0.200"



CIRCUIT SCHEMATIC



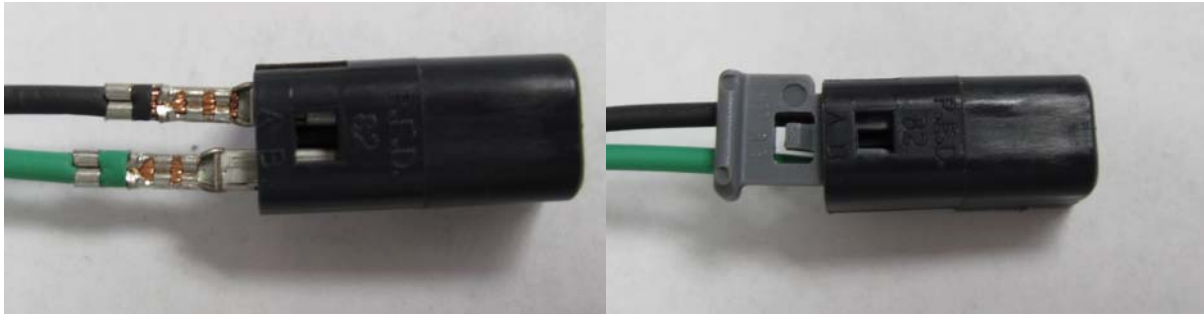


Figure 1. Insert Terminals and Lock

Temp	Temp	Res	Voltage 2.2K pullup
degC	degF	Ohms	Volts
-40	-40	402K	4.97
-35	-31	289K	4.96
-30	-22	210K	4.95
-25	-13	154K	4.93
-20	-4	114K	4.91
-15	5	85.0K	4.87
-10	14	64.3K	4.83
-5	23	48.9K	4.78
0	32	37.5K	4.72
5	41	29.0K	4.65
10	50	22.5K	4.56
15	59	17.7K	4.45
20	68	14.0K	4.32
25	77	11.1K	4.18
30	86	8.9K	4.01
35	95	7.2K	3.83
40	104	5.8K	3.63
45	113	4.7K	3.42
50	122	3.9K	3.20
55	131	3.2K	2.97

Temp	Temp	Res	Voltage 2.2K pullup
degC	degF	Ohms	Volts
60	140	2.7K	2.74
65	149	2.2K	2.52
70	158	1.9K	2.30
75	167	1.5K	2.09
80	176	1.3K	1.88
85	185	1.1K	1.70
90	194	965	1.52
95	203	826	1.37
100	212	710	1.22
105	221	613	1.09
110	230	531	0.97
115	239	462	0.87
120	248	403	0.77
125	257	352	0.69
130	266	309	0.62
135	275	272	0.55
140	284	241	0.49
145	293	213	0.44
150	302	189	0.40

Table 1. Temperature Calibration

12 MONTH LIMITED WARRANTY

Advanced Engine Management Inc. warrants to the consumer that all AEM High Performance products will be free from defects in material and workmanship for a period of twelve (12) months from date of the original purchase. Products that fail within this 12-month warranty period will be repaired or replaced at AEM's option, when determined by AEM that the product failed due to defects in material or workmanship. This warranty is limited to the repair or replacement of the AEM part. In no event shall this warranty exceed the original purchase price of the AEM part nor shall AEM be responsible for special, incidental or consequential damages or cost incurred due to the failure of this product. Warranty claims to AEM must be transportation prepaid and accompanied with dated proof of purchase. This warranty applies only to the original purchaser of product and is non-transferable. All implied warranties shall be limited in duration to the said 12 month warranty period. Improper use or installation, accident, abuse, unauthorized repairs or alterations voids this warranty. AEM disclaims any liability for consequential damages due to breach of any written or implied warranty on all products manufactured by AEM. Warranty returns will only be accepted by AEM when accompanied by a valid Return Goods Authorization (RGA) number. Product must be received by AEM within 30 days of the date the RGA is issued.

Please note that before AEM can issue an RGA for any product, it is first necessary for the installer or end user to contact the AEM Performance Electronics tech line at 1-800-423-0046 to discuss the problem. Most issues can be resolved over the phone. Under no circumstances should a system be returned or a RGA requested before the above process transpires.