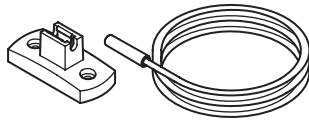


1. Introduction

The AQ12C10 outdoor temperature sensor is designed for use with Honeywell's AQ2000 Series control panels to measure outdoor air temperature. It can be also used in various other applications.



2. Technical Specifications

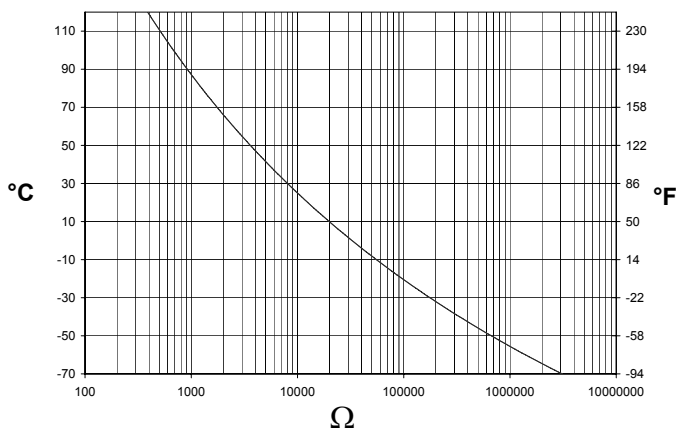
Temperature range: -94°F to 248°F (-70°C to 120°C)

Output signal: resistive

Sensing device: thermistor (10 kΩ @ 77°F or 25°C)

Cable length: 10 ft (3 m)

Resistance Curve



°C	Ω	°F
120	388	248
115	444	239
110	510	230
105	587	221
100	678	212
95	787	203
90	916	194
85	1 070	185
80	1 256	176
75	1 480	167
70	1 752	158
65	2 082	149
60	2 487	140
55	2 985	131
50	3 601	122
45	4 367	113
40	5 325	104
35	6 530	95
30	8 056	86
25	10 000	77

°C	Ω	°F
20	12 493	68
15	15 714	59
10	19 903	50
5	25 395	41
0	32 651	32
-5	42 317	23
-10	55 304	14
-15	72 911	5
-20	97 007	-4
-25	130 308	-13
-30	176 805	-22
-35	242 430	-31
-40	336 103	-40
-45	471 401	-49
-50	669 262	-58
-55	962 410	-67
-60	1 402 728	-76
-65	2 073 705	-85
-70	3 111 810	-94

3. Installation

- The maximum allowable distance between the sensor and the panel is 500 feet (150 m).

- Install the sensor using # 12 self-tapping screws. Install the sensor on the North side of the house, at least three feet away from dryer vent, bathroom vents or any other air outlets. Avoid chimneys and stove pipes. Avoid also locations where the sensor can be covered with snow or exposed to direct sunlight.
- Wire the sensor to the controller (no polarity). If splicing is necessary, use 18 AWG cable. Twisted pair or shielded cable is not required unless used in high EMF environments.

NOTE: Do not submerge in liquid.

4. Warranty

Honeywell warrants this product, excluding battery, to be free from defects in the workmanship or materials, under normal use and service, for a period of one (1) year from the date of purchase by the consumer. If at any time during the warranty period the product is determined to be defective or malfunctions, Honeywell shall repair or replace it (at Honeywell's option).

If the product is defective,

- return it, with a bill of sale or other dated proof of purchase, to the place from which you purchased it, or
- call Honeywell Customer Care at 1-800-468-1502. Customer Care will make the determination whether the product should be returned to the following address: Honeywell Return Goods, Dock 4 MN10-3860, 1885 Douglas Dr N, Golden Valley, MN 55422, or whether a replacement product can be sent to you.

This warranty does not cover removal or reinstallation costs. This warranty shall not apply if it is shown by Honeywell that the defect or malfunction was caused by damage which occurred while the product was in the possession of a consumer.

Honeywell's sole responsibility shall be to repair or replace the product within the terms stated above. HONEYWELL SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE OF ANY KIND, INCLUDING ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING, DIRECTLY OR INDIRECTLY, FROM ANY BREACH OF ANY WARRANTY, EXPRESS OR IMPLIED, OR ANY OTHER FAILURE OF THIS PRODUCT. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation may not apply to you.

THIS WARRANTY IS THE ONLY EXPRESS WARRANTY HONEYWELL MAKES ON THIS PRODUCT. THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IS HEREBY LIMITED TO THE ONE-YEAR DURATION OF THIS WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

If you have any questions concerning this warranty, please write Honeywell Customer Relations, 1985 Douglas Dr, Golden Valley, MN 55422 or call 1-800-468-1502. In Canada, write Retail Products ON15-02H, Honeywell Limited/Honeywell Limitée, 35 Dynamic Drive, Scarborough, Ontario M1V 4Z9.

5. Service

If you have any questions about the operation of your AQ2000 Series control panels, please go to <http://customer.honeywell.com>, or call Honeywell technical hotline at 1-800-468-1502.