



Energy Conservation Analysis

Tests Conducted On
Underlying Technology For

PowerSentry™-CA

Date: 04/19/06

CONFIDENTIAL



712 US Hwy One
Suite 200
North Palm Beach, FL 33408

Test Report

Report No. 12151
Date: 4/19/2006

Customer
Alltex Energy Management, Inc. 15955 West Hardy Road, Suite 224 Houston, TX 77060

Test Site Location
Houston ISD Maintenance Facility Transportation Warehouse Operatinos Bldg

Test Type:	<input type="checkbox"/> HEATING	<input checked="" type="checkbox"/> AIR CONDITIONING	<input type="checkbox"/> REFRIGERATION	<input type="checkbox"/> OTHER					
Product Tested:	<input type="checkbox"/> HWR	<input type="checkbox"/> LTH	<input type="checkbox"/> LTC	<input type="checkbox"/> CH2O	<input type="checkbox"/> CST	<input type="checkbox"/> RA	<input checked="" type="checkbox"/> CA	<input type="checkbox"/> REF	<input type="checkbox"/> OTHER

Type of Equipment
Manufacturer: Rheem Model: RAWD-100 DAZ 949 Capacity/SetPt: 10 Ton / 68 Deg. F Fuel Type: Application: Space Cooling Area Served: Lounge Area, Hallway, and 5-6 Offices Misc.: 365/24/7 Operation

Test Dates
Start Date: 4/6/2006
End Date: 4/15/2006
===== No. of Days in Test: 10

COMPRESSOR RUN-TIME
PowerSentri™ ON-DAYS: 71:17:18 <input checked="" type="checkbox"/> in HRS.
PowerSentri™ OFF-DAYS: 82:58:41 <input type="checkbox"/> in MIN.
RUN-TIME was reduced by: 14.09%

BURNER USAGE FACTOR
PowerSentri™ ON-DAYS: 59%
PowerSentri™ OFF-DAYS: 69%

COOLING DEGREE DAYS (for test period)*
PowerSentri™ ON-DAYS: 145
PowerSentri™ OFF-DAYS: 156
TOTAL DEGREE-DAYS: 301

USAGE PER DEGREE DAY
PowerSentri™ ON-DAYS: 0:29:35
PowerSentri™ OFF-DAYS: 0:31:54

SOLAR LOAD COMPENSATION
PowerSentri™ ON-DAYS: 725
PowerSentri™ OFF-DAYS: 790

Adj. Savings = 14.09%

Comments: * Data analysis revealed that, for the duration of the Test period, cooling was provided regardless of the Outside Air Temperature. Because of this it was impossible to determine the balance-point for calculating cooling degree days. As such, 45 degrees was selected since it was below the lowest temperature recorded during the testing. This was done so that there could be an evaluation of the affect outside air temperature had on compressor run-time. This analysis is normally performed on the OFF-Days to determine a baseline for normalizing the ON-Day data. The data did reveal an affect on run-time, however it was impossible to calculate due to the short duration of the test.