

A member of the United Technologies Corporation family

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Order No. 18158-20 - 02/2002 Supersedes order No. : 18158-20 - 11/2000 Manufacturer reserves the right to change any product specifications without notice. TODAY YOUR CLIENTS NEED A TOTAL SOLUTION



THAT IS WHY CARRIER CREATED THE HYDRONIC SOLUTION **ACTIVE AIR CONDITIONING** INTELLIGENCE

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CONTROL THE COMPLETE SYSTEM BY ELECTRONIC INTEGRATION **OF ITS COMPONENTS** Week /20/21/22/23/24/25/26/27/28/29/20/31 /06/07/05/05/28/28/29/30/31



In today's air conditioning systems the components such as fan coil units, cassettes, chillers, and air handling units often operate in an autonomous and independent way without a communicating element. With Aquasmart, the control intelligence in each component is complemented by the System Manager, which fully integrates the solution resulting in better energy management.



network and associated software programs, all the air conditioning system components work in harmony using a common language.

LANGUAGE

The program offers numerous possibilities: installation configuration, fault indication, alarms history. Essential data for safe maintenance.

CENTRALISE DATA TO OPTIMISE EVERYONE'S COMFORT



A SOURCE OF SAVINGS

By controlling up to 128 terminals in 32 zones per system and the chillers and heat pumps simultaneously and from a single point, Aquasmart is set to become the best performing air conditioning management system. Each zone benefits from a temperature truly compatible with the occupant's requirements and the building demands. With Aquasmart, there is no need to expend energy unnecessarily by conditioning a room temporarily or permanently empty. Simple programming, easy maintenance: air conditioning has never been more economical.

nday

17/18/19/20/21/22/29/29/28/29/30/31 1/05/06/07/08/09 Saturday



"OCCUPIED" MODE: Very user-friendly, the user interface in each zone allows adjustment of the temperature in accordance with the occupant's wishes. Maximum and minimum temperatures and fan speed are individually adjustable depending upon program configuration.



"ECONOMY" MODE: During unoccupied periods, the air conditioning is automatically switched off. However, the occupant can select occupied mode for a specified duration.



"FROST PROTECTION" MODE: During weekends or holiday periods, a programmable minimum temperature is maintained in the building.



SOPHISTICATED AIR CONDITIONING CONTROL MADE SIMPLE To simplify on-site installation, nothing is left to chance: • Equipment is complete ready to

04/05/06/07/08/09 Saturday

Carrier

- install, configured and factory tested.
- Simple electrical connections.
- Default parameter settings and automatic addressing simplify system start-up. Configuration is from the System Manager keypad.
- End user operation instruction is very straight-forward.

1/02/03/04/05/ 12.37

Sunday / Monday

28/29/30/31

Sunday / Monda



4 NAVIGATION BUTTONS 4 MENU ACCESS BUTTONS 2 ONE-TOUCH ADJUSTMENT BUTTONS +/-

CUSTOMER DEMANDS FOR SIMPLICITY ANSWERED

- User-friendly and easily accessible menus.
- Instant individual control in each zone.
- "Economy" mode.
- "Frost protection" mode.
- 4 time schedules/day per week for maximum 32 zones.

Sunday / Monday 01/02/03/04/05/06/07/08/09/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26 7/28/29/30/31 5/06/07/08/09/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26 7/28/29/20/31 01/02/03/04/05/06/07/06/07/08/09 12.37

INSTANT DISPLAY OF ALL PARAMETERS ENABLES MAXIMUM EFFICIENCY

By registering all data at a single point, the System Manager optimises system operations guaranteeing efficient control, monitoring and programming.



Sunday / Monday

1/02/03/04/05/06/07/08/09/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26/27/28

			9/30/31	
12/8 2000	DATE 21/02/0 Date.	AquaSmart Information Date : 05/07/00 Time : 14 : 38	28/29/30/31	
	TIME Time of day.	System Mode : cooling Operating Mode : cooling Chiller Status : cooling		
	SYSTEM MODE The System Manager selection of: cool, heat, cool and heat, no demand.	TC Alarms : none Outside Air Temp : 32.ºC TIME SCHEDUL HOLIDAY CONTROL	000	
	OPERATING MODE Cool, heat, cool and heat.	Date: 2	AquaSmart Information Date : 22/02/00 Time : 09 : 10 System Mode : heat Operating Mode : heat Chiller Status : unavail TC Alarms : none Outside Air Temp : 2.0°C	
0 1	MAIN UNIT STATUS Indicates the operating status of the main unit.	System Mode : h Operating Mode : h		
	ALARM Indicates terminal operation faults.	TC Alarms : I		
	OUTSIDE AIR TEMPERATURE	TIME SCHEDUL HOL	IDAY CONTROL	

Indicates the outside air temperature.

Screen matrix, 10 lines, 24 characters.

Sunday / Monday FOR A BETTER 12.37 UNDERSTANDING **CARRIER KNOWS** SIMPL1 NATURALLY **PEACE OF MIND: THE QUESTIONS AND A MEASURE OF EFFICIENCY.** THE ANSWERS Carrier



How do you set all the parameters in order to obtain optimum control? How do you react to alarms and indicators? Essential questions which Carrier answers in the "System Manager Users Guide". 12 clear, comprehensive and

12 clear, comprehensive and easy-to-follow pages quickly provide the answers to your questions.

AN EFFICIENT GUIDE FOR MORE PEACE-OF-MIND

CARRIER OFFERS PRODUCT

Whatever the arrangement of the building that you wish to fit out, the Carrier professionals are at your disposal to provide the most efficient solutions.

The Carrier selection program identifies all the air conditioning components, in order to obtain the best configuration to meet the specific building requirements.



The Hydronic Solution Aquasmart offers a wide range of possibilities for creating customised water-based air conditioning systems. Based on a chiller or heat pump with three different types of terminal, depending upon the technical or aesthetic requirements: fan coil units, ceiling cassettes, above-ceiling ducted units.

Week

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Sunday / Monday