

HRC 3

User manual Rev. 1.1 en

Dantherm[®] Control your climate



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General description

Introduction	This remote control is designed for the particular and considerate house owner, who is especially keen to provide a pleasant indoor climate in his house and to its occupants. The remote control communicates wireless with the control panel of the ventilation unit up to a range of 30 meter through walls and lightweight floors. The remote control can be placed on the shelves or it can be hung on the wall in the kitchen or in the sitting room. Hereby the occupants of the house can look after the in- door comfort and easily adjust the mode of operation if necessary.
Functions	 The following functions can be controlled/activated with the remote control: Manual operation
	Week program mode
	Away mode
	Night mode
	 Temperature control – heat, (only possible with after heating coil which is an optional accessory)
	 Temperature control - cooling, by means summer mode, or built-in bypass (ac- cessory)
	Adjust filter change intervals
	 Automatic demand-control based on relative humidity, or VOC sensor (acces- sory)
	On the remote control the user can read off the following:
	• Fan step
	 Outdoor temperature, supply air temperature (into the house), exhaust air tem- perature (from the house) and room air temperature (measured in the remote control)
	• Day of the week and hour
	• Relative humidity in the exhaust air duct (the humidity of the house)
	 Pollution level in the house (only possible with an extra VOC or external CO₂ sensor which is optional accessory)
	Remaining filter time
	• Alarms + acoustic beeper



Installation

Pairing

The remote control has to be paired with the ventilation unit before use. Follow the procedure below to pair the wireless remote control with the ventilation unit:

Step	Action
1	Disconnect the power to the ventilation unit
2	Open the battery lid on the remote control and insert the batteries (2 \times AAA) which are included with the remote control.
3	If you want a fixed power supply you can connect a mini-USB cable with power supply (accessory). The mini USB-plug is situated behind the battery door on the back of the remote control.
4	Reconnect the power to the unit. The unit and the remote control now try to connect with each other for the next 60 seconds and when connection is made, data from the unit are shown on the display.
pairing istance b ready be y pressir	is not successful the first time (display shows E13), this maybe because the between the remote control and the unit is too big, or the remote control has een paired with another ventilation unit. In that case, reset the remote control ing down the LEFT part of the navigation key for 10 sec., until all icons are

Several remote con-It is possible to connect up to 3 remote controls to one ventilation unit. All connectedtrolsremote controls are equal. This means that the latest change of operation or setpoints
overrules the previous change, if any.



Display information



Display description The following table describes the symbols and buttons on the remote control. The remote control has an energy saving function which switches off the display between 23:00 and 7:00. It can, however, be switched on by pressing any button.

Display area	lcon	Function
Operating programs		Automatic operation/demand-control Manual operation mode Week program mode Away mode Night mode
Hour / Day		The clock is used to control week program mode and night mode.
Info line	<u>∧</u> 8 8:8 8 ∎	Alarm Information about various functions and programs Battery low
Fan step		Four oval fields indicating current fan speed
Navigation button		The button is used to activate the user menu, navigate be- tween menu points, and reduce or increase values.
Operating instructions		 Shows information about: Filter change Room temperature Supply/extract air temperature Outdoor temperature Relative humidity in the extract air from the house Pollution level in the air (accessory) Heat recovery / bypass-cooling



User menu



Short cuts

Button	Function
	Press CENTER for 3 seconds $=$ back to start, leave all menus
\bigcirc	Press DOWN for 5 seconds = activate/deactivate bypass/summer-cooling for 6 hours (BYP6)
\bigcirc	Press UP for 5 seconds = activate/deactivate fireplace mode for 7 min. (FP07)
	Press RIGHT for 10 seconds = activate/deactivate installer menu / installa- tion mode. (only for trained users/installers)
	Press CENTER + UP for 10 seconds = back to factory setting of all settings and setpoints. (Only works in the installer menu)
\bigcirc	Press LEFT for 10 seconds = reset pairing
	Press and hold the CENTER button for 10 seconds to reset the filter. The remote control confirms this with an acoustic signal.



Operation programs On the remote control you can choose among different operation modes allowing you to control the ventilation in accordance with different demands.

Symbol		Description	
AUTO	Demand In AUTC that the to main humidit humidit justs to 1. The c tion leve	I-control) mode the unit adjusts automatically between fan step 1 – 3, so air change matches the actual demand in the house. The unit tries tain a comfortable air quality, measured in relation to the relative y and the VOC level (Demand control is accessory). In case of high y in the air, the ventilation demand is increased and the unit ad- fan step 3. In case of low humidity the unit goes down to fan step demand control adjusts the unit to step 4 in case of a high pollu- el.	
Mz	Manual operation In Manual mode the user must adjust the fan step manually each time the air change requirement changes. Fan steps from 0 to 4 are available. Step 0 and 4 are only active for 4 hours, after that time the unit returns auto- matically to step 3.		
	Week program In Week program mode the unit supplies a variable air exchange adapted to the selected family profile (P1, P2, P3 etc.) See the list back of this manual. The week program number is changed in the following way:		
	Step	Action	
	1	When the week program icon is activated (the symbol flashes) the actual week program number is shown below the clock.	
	2	Press DOWN, and the chosen week program No. flashes (for ex- ample P1)	
	3	Press UP/DOWN to choose another week program No. and finally press CENTER to confirm the new week program No.	
	AWAY The AW, pied and the unit 1/3 of t heating CENTER maticall Warning	AY mode can be activated in periods where the house is unoccu- d when there are no activities requiring air change. In AWAY mode runs at minimum air change, i.e. 2/3 of the time at fan step 1 and he time at fan step 0. All other functions are working normally incl. and cooling coils, if connected. To deactivate this function press , otherwise it deactivates automatically after 28 days and it auto- y goes back to the previous operation mode.	
	again. C people i	Otherwise the house may be damaged as well as comfort for the is compromised.	



Symbol	Description		
	Night n In Nigh	node t mode the unit runs at fan step 1, and this mode functions to-	
	gether	with Auto, Manual or Week program mode.	
	Start an	nd end time for night mode are set in the following way:	
	Step	Action	
	1	When night mode is activated (symbol flashes) press DOWN and the start time is shown in the info line (flashes).	
	2	Set start time by pressing UP/DOWN, confirm by pressing CEN- TER, and then the end time is shown in the info line.	
	3	Set the end time by pressing UP/DOWN, confirm by pressing CENTER. The start and stop time for night mode are now set.	
	Night n	node is deactivated by pressing CENTER, while the icon is flashing.	
555	Afterne If afterne with on T2) Afterne conveni- regulati T3) Afterne tract ain (Factory point) T5) Afterne specific used as	heating heating is connected (accessory) it can be adjusted in accordance be or more of the following 3 principles: erheating for comfort supply air: heating is only required to prevent supply of cold air or draught in- ience, the T2 supply air temperature can be used as setpoint and ion temperature. (Factory setting $+18^{\circ}$ C) erheating for heating of the house: heating is used as primary heat source for the whole house, T3 ex- r temperature can be used as setpoint and regulation temperature. y setting = OF, meaning that heating is not regulated after this set- erheating for heating of the house or rooms: heating is used as primary heat source for the whole house and/or c rooms, T5 temperature measured in the remote control can be s regulating temperature in the room where it is placed. (More re-	
	mote controls can be connected) (Factory setting = OF, meaning that heat ing is not regulated after this setpoint)		
		(T5/SET)	
	á	afterheater icon	
	NB: If a Follow 1	Il three afterheater setpoints are "OF" the afterheater is OFF. this procedure to set the afterheater setpoints:	



	Afterheating settings			
))	Step	Action		
	1	Activate the menu line by pressing CENTER		
	2	Press RIGHT to navigate to afterheater icon. The afterheater icon		
		flashes slowly (30/min). Simultaneously T2, T3 and T5 continue to		
		show the real temperatures in the unit.		
	3	Press CENTER to navigate to the AFTERHEATER menu.		
		The display shows the latest settings of all three setpoints (T2, T3,		
		T5) on their respective places. OFF means that the afterheater is		
		not controlled in accordance with this setpoint.		
	4	Press CENTER.		
		The afterheater setpoint for T2 flashes quickly (120/min), and the		
		afterheater icon flashes.		
	5	Press UP/DOWN to set the afterheater setpoint 12, and confirm by		
	6	pressing CENTER.		
	0	torheater icon flashes		
		Press IIP/DOWN to set the afterheater setpoint T3 and confirm by		
		pressing CENTER.		
	7	T5 afterheater setpoint now flashes guickly (120/min) and the af-		
		terheater icon flashes.		
		Press UP/DOWN to set the afterheater setpoint T5, and confirm by		
		pressing CENTER.		
	8	The afterheater setpoints are now set and the afterheater icon on		
		the display flashes slowly (30/min) and all temperatures on the		
		display are again real measurements in the unit.		
	9	Press CENTER for 3 seconds to leave the menu.		
	Clock			
	Week programs and night mode are controlled by means of the clock. The			
	CIOCK is set as follows:			
	Ste	p Action		
	1	Press CENTER to activate the menu line (the active operation		
		mode flashes)		
	2	Press the RIGHT button until the hands of the clock are flash-		
		ing.		
	3	Press DOWN and then UP/DOWN to set the time. Confirm by		
		pressing CENTER, then the week day icon flashes		
	4	Set the week day by pressing UP/DOWN, and confirm by		
		proceing CENITED		



Fire-place function	Fireplace function The fireplace function is designed to create overpressure in the house, so that the fireplace can be lit without problems. The overpressure is created by reducing the extraction and maintaining the supply at fan step 3.
	The function is activated/deactivated by pressing UP for 5 seconds, then FP07 is shown in the INFO LINE = fireplace mode for 7 min. It now counts down (FP07FP01) till 7 minutes have passed, and then the unit returns to the previous operation mode.
	Please notice!
	The fireplace function cannot be activated if outdoor temperature (T1) is lower than -13°C. This can be solved by adding a preheater (accessory).
Bypass- cooling	Only available if mechanical bypass damper is mounted AUTOMATIC BYPASS-COOLING The built-in AUTOMATIC BYPASS-COOLING mode is used during summer time when the outdoor temperature is higher than 15°C, as long as it is lover than inside air temperature. This means it is not necessary to activate the MANUAL BYPASS-COOLING during this period. The setpoints for AUTOMATIC BYPASS-COOLING can be adjusted if needed in the INSTALLER MENU.
	MANUAL BYPASS-COOLING (BYP6) The MANUAL BYPASS-COOLING mode can be useful if cooling is needed in the spring or autumn (when the outdoor temperature is below 15°C) in- stead of using the heat recovery function.
	MANUAL BYPASS-COOLING is activated by pressing DOWN for 5 sec. and the display will shows BYP6 and the unit will be cooling for 6 hours. After the 6 hours the unit returns to heat exchanger mode with AUTOMATIC BY- PASS-COOLING.
	Please notice!
	Only when the conditions for BYPASS-COOLING mode are actually present the display will show parallel air channels (no heat recovery) and the BYPASS-COOLING damper opens.



Operating information - without accessories.

Operating information The display shows various operating information according to the actual operation mode. Two different screens are shown, depending on whether the unit is running in HEAT RECOVERY MODE or BYPASS-COOLING mode.

Heat recovery/ bypass-cooling



The unit always runs in heat RECOVERY MODE, (crossing air channels on the display), unless the conditions for BYPASS-COOLING MODE are present (parallel air channels on the display).

Please notice that RECOVERY MODE is used for <u>heat</u> recovery as well as for <u>cooling</u> recovery.

Symbol		Description			
(T1)	Outdoor temperature, measured in the outdoor duct of the unit.				
(T2)	Supply a	Supply air temperature, measured in the supply air duct of the unit.			
(T3)	Extract	air temperature, measured in the extract air duct of the unit.			
(T5)	Room ai	ir temperature, measured in the remote control.			
(6)	Filter:				
	The nun	nber of black triangles in the filter symbol indicates how much of			
	the filte	r lifetime has been used. When all triangles are filled, and the filter			
	symbol	flashes it is time to replace the filters.			
	The filte	er alarm can be muted for 14 days by pressing any key of the remote			
	control.				
	Factory	setting for filter change is 180 days. The filter change interval must			
	be adap	ted to each individual house, how it is used and the quality of the			
	outside	air.			
	Follow t	his procedure to see the remaining FILTER TIME and/or change the			
	FILTER F	FILTER PERIOD:			
	Step Action				
	1	Press CENTER to activate the OPERATION PROGRAM MENU			
	2	Press RIGHT until the filter icon flashes. The INFO-LINE shows e.g.			
		-25 meaning there is 25 days left before the filter has to be			
		changed.			
	3	Press DOWN and FILTER PERIOD will flash, e.g. 180 which means			
		180 days between filter change.			
	4	Press UP/DOWN to change the FILTER PERIOD and confirm by			
		pressing CENTER			

Operating information - without accessories., *continued*

Info-line (Under the clock) Information about alarms, various settings and battery level are shown in the INFO-LINE.

Symbol		Description	
Ŵ	If the ALARM icon is displayed, there is a failure on the unit, and the defect component is flashed. At the same time an alarm code is shown in the INFO-LINE (e.g. E2). This code is described in the alarm code list in the ap- pendix. For a further description of how to correct any failure in the ventila- tion unit please see the installation manual for this.		
88:88	This gives inform play A1 P1, P2 BYP6, FP07, FP06 DEF E1, E2	nation about time setting, week program, alarms etc. Dis- Description: AUTO program A1 is chosen. Week program No. Manual bypass-cooling is activated, 6 hours Fireplace function is activated, 7 minutes Defrost-function, prevents icing up of the heat exchanger Alarm code	
	Low battery leve	in the remote control	

Fan speed



The four oval fields indicate the actual fan step. The more oval symbols are black, the more air is changed in the house.



Operation information, with accessories

Operating information

Various operating information is shown on the display depending on the actual operation mode of the unit and the accessories which are in operation. Two different screens are shown on the display depending on whether the unit is in heat RECOVERY mode or BYPASS-COOLING mode.



Unit in heat recovery mode with pre- and afterheater

Unit in bypass-cooling mode

General

The unit will always run in HEAT RECOVERY mode, (crossing air channels on the display), unless the conditions for BYPASS-COOLING (parallel air channels) operation are present.

If pre- or aftercooling is connected the cooler icons will be shown when the coolers are in operation.

Pre-/aftercoolers are controlled by the same setpoints as the built-in BYPASS-COOLING function. I.e. cooling and bypass are always in operation at the same time.

If an aftercooler is connected it is also used together with "cooling recovery mode" in case that the outdoor temperature (T1) is higher than the extract temperature (T3)

Symbol	Description:
(T1)	Outdoor temperature measured in the unit, after preheater/-cooler, if any.
(T2)	Supply air temperature measured in the supply air duct after the after heater/cooler, if installed.
(T3)	Extract air temperature measured in the exhaust air duct.
(T5)	Room temperature measured with a sensor placed in the remote control.
⁽⁶⁾	Pre-heater icon
(7) 5555	After-heater icon
(8)	Pre-cooler icon



Operation information, with accessories, *continued*

AUTO	In AUTO r	node the unit	is controlled by the VOC, CO2, and RH% at									
	the same	time.										
\square	VOC/CO ₂ control:											
	If a VOC (accessory) or CO2-sensor (accessory connected via HAC)											
	is connect	ted and the u	nit is set to AUTO mode the airflow is con-									
	trolled by	the pollution	concentration measured by the sensor.									
	VOC/CO ₂	concentration	n is as follows:									
	Symbol	ppm	Description									
	\bigcirc	< 600	Clean air									
		600 -800	Adequate air quality									
		800-1200	Slightly polluted air									
		> 1200	Polluted air									
A	Relative hu	midity in the r	oom:									
	The filling	up of the drop	symbol indicates whether the relative humidity in									
	the house	is within a com	fortable area for the people and the home.									
	Symbol	Rel. hum. %	Description									
		< 24	Very dry air, fan step 1									
		25 - 34	Dry air, fan step 1									
		35 - 65	Comfort air, fan step 1-3									
		> 65	Humid air, fan step 3									
	Unit must	be in AUTO mo	de in order to regulate in accordance with RH%.									



Installer menu / installer mode

Introduction	The installer ment who have a thorou The purpose of th staller can adjust peratures of the u step 3 is maintain Warning: Dantherm Air Han that has a negativ climate or if the u and the furniture	u is dedicated to sugh knowledge of e INSTALLER MEN the nominal air von nit preventing it. ed. dling A/S disclair e influence either nit is installed in are damaged.	skilled/experienc ventilation plant IU/MODE is to pu olume (fan step 3 I.e. as long as the ms any responsibi on the heat cons such a way that th	ed installers and s. t the unit in a sta), without other f e unit is in INSTA ility if the unit is sumption in the h he building, the b	service technicians te where the in- functions or tem- LLER MODE fan installed in a way house, or the indoor puilding structure
Start Installer menu/mode	Press RIGHT for 1 the display is flash The installer men again.	0 sec. to activate ning slowly. u will be active fo	the installer men r 60 minutes or u	u, until the ventil ntil the same but	ation unit icon on tton is pressed
Installer menu	Following menus	AUTO AUTO AUTO AUTO AUTO AUTO Pro-	ormation are avai	lable in the insta SSS = W Readout preheater*	Iler menu:
	н Ф	gram No.	RPM	enable/disabled	ing* setpoint
	Readout SW remote F	Set auto program no. (A1)	Readout extract fan RPM	Set preheater* ena- ble/disabled	Set bypass cooling* set- point Tmin (T1 outside)
	Readout SW for HAC* A *only operational if acc	Set RH% * (35–65% RH) essory module is insta	lled		Set bypass cooling* disable / set- point Tmax (T3 inside)
SW view	The following SW H101* = SW in Ma F101*= SW in the A101*= SW in the * SW examples.	information can b ain control which remote control accessory contro	be viewed in the II is placed in the ve ol	NFO LINE in the in entilation unit	nstaller menu.
AUTO setting	In AUTO menu yo	u can select the d	esired AUTO prog	grams. (A1)	Continued overleaf



RH% Set point	In AUTO menu, the RH% setpoint for demand-control can be set. The RH% setpoint be-
(accessory	longs to the selected AUTO program No.
required)	Warning:
	If the RH% setpoint is set too low it may result in inconvenience for the occupants of the

If the RH% setpoint is set too low it may result in inconvenience for the occupants of the house and materials in the house may dry up. Likewise a too high setpoint may result in damp and mould in the building structure and the furniture.

Follow this procedure to change the RH set point:

Step	Action
1	Press RIGHT for 10 sec., till the installer menu is activated (ventilation unit icon is flashing)
2	Press CENTER, previous AUTO program flashes
3	Press CENTER, previous RH% set point flashes
4	Press UP/DOWN in order to adjust RH% set point
5	Press CENTER to confirm the new set point and close
6	Press RIGHT for 10 sec. till the installer menu closes. (Ventilation unit icon stops flashing)

Fan readings

* • • 0 0

Following readings can be seen/adjusted in the fan menu:

- Nominal rpm, supply fan
 - Nominal rpm, extract fan

Step	Action
1	Press RIGHT for 10 sec., until the installer menu is activated (icon for ventilation unit is flashing)
2	Press RIGHT till the fan icon is flashing. The supply air duct and the fan icon are now flashing simultaneously, while rpm for supply air fan is shown in the INFO- LINE.
3	Press DOWN and the exhaust air duct is flashing simultaneously with the fan icon. The exhaust air duct and the fan icon are now flashing while rpm for supply air fan are shown by turns in the INFO- LINE.



Preheater

If preheating is installed (accessory) connected, the icon will appear on the display when the heater is on. Furthermore the preheater can be enabled/disabled in the installer

menu.



Setting the preheater on/off is set as described below:

Step	Action
1	Press the RIGHT button for 10 sec., until the installer menu is activated (the icon for the ventilation unit is flashing)
2	Press the RIGHT button till the preheater icon in the outdoor air duct (T1) flashes slowly.
3	Press the CENTER button and the preheater icon shows the actual state ON or OFF shown as $\Box n$ or $\Box F$ in the display
4	Change the setting by pressing the UP or DOWN button and store it by pressing CENTER. If this setpoint is "OF" the preheating will always be switched off.
5	Press RIGHT for 10 sec. until the installer menu is closed. (the icon for the ventilation unit stops flashing)



BYPASS-COOLINGIn BYPASS-COOLING operation the air channels are parallel through the unit (no heatsetpointsrecovery). If pre-/aftercooling is connected, the icons for these components will be
shown when they are in operation only.

In the installer menu you can see/change the setpoints for BYPASS-COOLING on the locations shown below.



T1/SET Bypass Tmin = Minimum outdoor temperature, where BYPASS-COOLING can start.

T3/SET Bypass Tmax = Minimum extract air temperature, where BYPASS-COOLING can start. The range are **off** or 18° C to 30° C.

The setpoint for supply air temperature (T2) in connection with after cooling is identical with the T1/SET bypass Tmin.



BYPASS-COOLINGIf Pre-/aftercooling coils are installed they are controlled by the same setpoints and
control strategy as the built-in BYPASS-COOLING function. I.e. Pre-/aftercooling and
bypass are always switched on at the same time.

If Aftercooling is installed it will be used together with "cooling recovery mode" if the outdoor temperature (T1) is higher than the extract air temperature (T3). The setpoint for AUTOMATIC BYPASS-COOLING can be adjusted as follows:

Step	Action
1	Press RIGHT for 10 sec., until the installer menu is active (the ventilation unit icon is flashing)
2	Press RIGHT until the BYPASS-COOLING icon (parallel air channels on the display) flashes slowly. NB. The display shows the actual temperatures in all fields.
3	Press CENTER and the actual setpoints for BYPASS-COOLING are shown on the T1 and T3 places.
4	Press CENTER and the setpoint for T1/SET bypass Tmin will flash quickly, together with the icons for pre-/aftercoolers if any is installed.
5	Press UP/DOWN to change the setpoint for T1 / SET bypass Tmin, and con- firm by pressing CENTER.
6	The setpoint for T3/Bypass Tmax will now flash quickly together with the icons for pre-/aftercoolers if any is installed. If going lower than 18°C the bypass will be set OFF
7	Press UP/DOWN to change the setpoint for T3/ SET bypass Tmax and con- firm by pressing CENTER. If set point is set to "OF" the BYPASS-COOLING permanent switched off.
8	Press RIGHT for 10 sec. until the installer menu closes (the ventilation unit icon stops flashing)

111.5	Serpoints and factory settings are as to	10003.		
	Description	Factory setting	Min	Max
	AUTO Demand-control (RH%)	45%	35%	65%
	Automatic BYPASS-COOLING			
	Bypass Tmin	15°C	12 °C	15 °C
	(Outdoor temperature (T1))			
	Bypass Tmax	24	21/OF	27 °C
	Extract air temperature (T3)			
	Afterheater (Electrical or water based)			
	Supply air temperature (T2)	18 °C	10/OF	35 °C
	Extract air temperature (T3)	OF	15 °C	30 °C
	Room temperature (T5)	OF	15 °C	30 °C
	Filter change interval			
	Filter period	180 days	90 days	360 days

Back to factory set-When the INSTALLER MENU is active the unit can be set "BACK TO FACTORY SETTING" bytingspressing UP and CENTER simultaneously for 10 sec. , until all icons are flashing



Appendix

Alarm codes

Code	Alarm / Errors
E 1	Exhaust air fan
E 2	Supply air fan
E 3	By-pass damper
E 4	Extract air temperature sensor (T1)
E 5	Supply air temperature sensor (T2)
E 6	Extract air temperature sensor (T3)
E 7	Exhaust air temperature sensor (T4)
E 8	Room air temperature sensor (T5)
E 9	Humidity sensor (RH), placed in the extract air duct of the unit.
E 10	Outdoor temperature $< -13 \degree$ C
E 11	Supply temperature $< +5 \ ^{\circ}C$
E 12	Fire alarm, a sensor in the unit is measuring a temperature $>$ 70 °C.
E 13	Communication error / low signal
E 14	Fire alarm, duct connected fire thermostat (Accessory)
E 15	Digital input active -fx. high water /Condensate pump (Accessory)

Week programs

Code	Week program
P 1	Family with kids, both parents work outside the home during the day
P 2	Family with kids, one parent works outside the home during the day
Р3	Family with kids, both parents spend their day in the home
P 4	Small family/couple without kids, both work outside the home during the day $% \label{eq:small_stable}$
P 5	Small family/couple without kids, both work outside the home at night
P 6	Small family/couple without kids, both work at night during the weekend
Р7	Single person, works outside the home during the day
P 8	Single person, works outside the home at night
Р9	Single person, works outside the home during the weekend
P 10	Single person, always at home
P 11	Custom program (programmed in PC-tools)

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P1 – Week program

											Non	day	- Fr	rida	У									
Step	1-0	1-2	2-3	3-4	4-5	9-9	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
4																								
3																								
2																								
1																								
											V	Veel	ken	d										
	+	2	3	4	5	9	7	8	6	0	1	2	3	4	5	16	17	18	19	20	21	22	-23	-24
Step	9	4	-2	3-י	4-	-9	9	t-7	8-8	9-1	10-1	11-1	12-1	13-1	14-1	15-	16-7	17-	18-	19-:	20-	21-	22-	23
Step 4	-0	1-:	2-:	3-r	4-1	-9	-9	!- <i>L</i>	8-6	1-6	10-1	11-1	12-1	13-1	14-1	15-	16-7	-71	-18-	19-3	20-:	21-	22-	23
Step 4 3	-0	1-:	5-:	3-7	4-1	-9	-9	t-2	8-6	9-1	10-1	11-1	12-1	13-1	14-1	15-1	16-7	17-	-18-	19-:	20-:	21-	22	23
Step 4 3 2	-0	1-:	2-:	3-,	4-1	2-	-9	:- <i>L</i>	8-6	6-1	10-1	11-1	12-1	13-1	1-41	15-	16-7	17-	18-	19-:	20-:	21-	22-	23
Step	9	4	2-0	ė	4-	2-	-9	-7	8-9	9-1	10-1	11-1	12-1	13-1	14-1	15	16-`	17-	18-	19-:	20-:	21-	ć	77

P2 – Week program

											Non	day	- Fi	rida	y									
Step	1-0	1-2	2-3	3-4	4-5	9-5	2-9	7-8	6-8	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
4																								
3																								
2																								
1																								
											V	Vee	ken	d										
Step	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	6-8	9-10	10-11	11-12 99	42-13 ken	13-14 D	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
Step 4	1-0	1-2	2-3	3-4	4-5	5-6	6-7	7-8	6-8	9-10	10-11	11-12 99	ken 12-13	13-14 D	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
Step 4 3	1-0	1-2	2-3	3-4	4-5	9-9	6-7	8-7	8-9	9-10	10-11	11-12 ao	ken 12-13	13-14 D	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
Step 4 3 2	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	6-8	9-10	10-11	11-12 ee	12-13 ken	13-14 D	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24

P3 – Week program

											Mon	day	- Fr	rida	y									
Step	0-1	1-2	2-3	3-4	4-5	9-9	2-9	8-7	6-8	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
4																								
3																								
2																								
1																								
											N	Nee	ken	d										
Step	0-1	1-2	2-3	3-4	4-5	9-2	2-9	8-7	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
4																								
3																								
2																								
1																								

P4 – Week program

											Non	day	- Fr	ida	y									
Step	1-0	1-2	2-3	3-4	4-5	9-2	2-9	7-8	6-8	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
4																								
3																								
2																								
1																								
											v	Veel	kon	h										
												100	CIII	u i										
Step	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
Step 4	1-0	1-2	2-3	3-4	4-5	5-6	6-7	7-8	6-8	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
Step 4 3	1-0	1-2	2-3	3-4	4-5	2-6	2-9	8-2	6-8	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
Step 4 3 2	1-0	1-2	2-3	3-4	4-5	2-6	2-9	8-2	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
Step 4 3 2 1	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24

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P5 – Week program

											Non	day	- Fr	ida	y									
Step	1-0	1-2	2-3	3-4	4-5	9-2	2-9	7-8	6-8	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
4																								
3																								
2																								
1																								
											V	Veel	ken	d										
Step	1-0	1-2	2-3	3-4	4-5	9-2	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
4																								
3																								
2																								
1																								

P6 – Week program

											Non	day	- Fr	ida	у									
Step	1-0	1-2	2-3	3-4	4-5	5-6	6-7	8-7	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
4																								
3																								
2																								
1																								
											V	Veel	ken	d										
Step	1-0	1-2	2-3	3-4	4-5	5-6	6-7	8-2	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
4																								
3																								
2																								
4																								

P7 – Week program

											Mon	day	- Fi	rida	У									
Step	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
4																								
3																								
2																								
1																								
											V	Nee	ken	d										
Step	0-1	1-2	2-3	3-4	4-5	9-9	2-9	8-7	6-8	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
4																								
3																								
2																								
1																								

P8 - Week program

											Mon	day	- Fi	rida	У									
Step	1-0	1-2	2-3	3-4	4-5	5-6	2-9	7-8	6-8	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
4																								
3																								
2																								
1																								
											V	Nee	ken	d										
Step	1-0	1-2	2-3	3-4	4-5	5-6	6-7	8-7	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
4																								
3																								
2																								
1																								

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CONTROL YOUR CLIMATE

P9 – Week program

											Mon	day	- Fi	rida	У									
Step	0-1	1-2	2-3	3-4	4-5	5-6	2-9	8-7	6-8	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
4																								
3																								
2																								
1																								
											V	Vee	ken	d										-
Step	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	6-8	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
4																								
3																								
2																								
1																								

P10 - Week program

											Mon	day	<u>- Fr</u>	rida	У									
Step	0-1	1-2	2-3	3-4	4-5	9-2	2-9	8-7	6-8	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
4																								
3																								
2																								
1																								
											V	Vee	ken	d										
Step	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	6-8	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
4																								
3																								
2																								
1																								

P11 - Week program

											Non	day	- Fr	ida	y									
Step	1-0	1-2	2-3	3-4	4-5	5-6	2-9	7-8	6-8	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
4 3	S	et v	wee	ek p	rog	gran	n 1	1 ir	ו PC	C-to	ool.	1												
2	F	an	spe	ed	car	ı be	e se	t ad	co	rdir	ng E	Den	nan	d (a	acce	esso	ory)	or	fix	ed				
											V	Nee	ken	d										
Step	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12 99 0	12-13 ken	13-14 B	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
Step 4 3	 S	ې et ۱	°? 5 ∾ee	₹ k p	ہو م	چ grar	<u>چ</u> n 1	°°-∠ 1 ir	ຼື າ PC	ę 5 C-to	V 10-7 10-7	11-12 99 /	42-13 ken	13-14 D	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24





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