

Advanced Setup is used to enable certain specific features or to modify standard settings. The order of the table below corresponds to the sequence in the RC.

#### If TAC5 DG/DT + RC regulation:

To start the advanced setup, press SETUP and ENTER simultaneously until 'ADVANCED SETUP' appears on the screen. Make selection via † 1 buttons, then press ENTER to confirm. Numbers are introduced digit by digit.

#### If TAC5 DG/DT + GRC regulation:

Select 'Advanced Setup' on the GRC menu. CAUTION: some parameters considered as 'advanced' in the RC figure as 'standard' configuration of the GRC. In this case, "See setup" is mentioned in the table below, and consult MI TAC5 + GRC installation manual for configuration. Appendix 1 shows all the Advanced Setup screens, with a reference number. The table below refers to these numbers.

#### If TAC5 DG/DT + MODBUS regulation:

For each feature of the advanced setup, the registry number is shown in the table. For more details see «TAC5 + MODBUS Installation Manual".

Function	Description		AC5 DG/DT + RC	If TAC5 DG/DT + GRC	If TAC5 DG/DT +
			Text on screen		MODBUS Register n°
or all working modes (CA					
Password If password access is enabled, enter here the access code to enter advanced setup configuration.		1/2	ENTRER ACCES CODE 0000	Will be requested to access advanced setup screens	40547
	r no SAT on Modbus connector plugged				
Modbus configuration	Enter MODBUS communication configuration mode ?		MODBUS CONFIG ? Y	1	/
Iodbus Configuration	If yes, enter Modbus address of TAC5 unit	3.1	ADRESS : 001	Will be displayed on upper right corner of each screen	40543
Modbus Configuration	Select Baudrate : 1200-4800-9600-19200 Bauds	3.2	BAUDRATE 9600	1	/
Modbus Configuration	Select Parity: N (none) – E (even) – O (odd)	3.3	PARITY : N	1	1
f SAT ETHERNET plugged					
Ethernet configuration	Ability to configure the Ethernet communication settings:	3	LAN CONFIG? N	1	1
Ethernet configuration	Enter Ethernet communication configuration mode ? Select DHCP if the IP address of the unit is assigned dynamically Select MANUAL to enter a static IP address.		IP CNFG? DHCP	1	1
Ethernet configuration	If IP CNFG= MANUAL, enter the static ip address. 1 <sup>st</sup> step of 4. Example: if IP address is 193,100.0.23, enter here at step 1:193		lp addr? / 1/4 000		1
Ethernet configuration	If IP CNFG= MANUAL, enter the static ip address. 2 <sup>nd</sup> step of 4. Example: if IP address is 193.100.0.23, enter here at step 2:100		lp addr? 2/4 000	1	1
Ethernet configuration	If IP CNFG= MANUAL, enter the static ip address. 3 <sup>rd</sup> step of 4. Example: if IP address is 193.100.0.23, enter here at step 3:0		lp addr? 3/4 000	1	1
Ethernet configuration	If IP CNFG= MANUAL, enter the static ip address. 4 <sup>th</sup> step of 4. Example: if IP address is 193.100.0.23, enter here at step 4:23		lp addr? 4/4 000	1	1
Ethernet configuration	If IP CNFG= MANUAL, enter the netmask. 1 <sup>st</sup> step of 4		netmask? 1/4 255	1	1
Ethernet configuration	If IP CNFG= MANUAL, enter the netmask. 2 <sup>nd</sup> step of 4	3.1.6	netmask? 2/4 255	1	/
Ethernet configuration	If IP CNFG= MANUAL, enter the netmask. 3 <sup>rd</sup> step of 4	3.1.7	netmask? 3/4 255	1	1
Ethernet configuration	If IP CNFG= MANUAL, enter the netmask. 4 <sup>th</sup> step of 4		netmask? 4/4 255	1	1
Ethernet configuration	If IP CNFG= MANUAL, enter the gateway. 1 <sup>st</sup> step of 4		gateway? 1/4 000	1	1
Ethernet configuration	If IP CNFG= MANUAL, enter the gateway. 2 <sup>nd</sup> step of 4		gateway? 2/4 000	1	/
Ethernet configuration	If IP CNFG= MANUAL, enter the gateway. 3 <sup>rd</sup> step of 4		gateway? 3/4 000	1	1
Ethernet configuration	If IP CNFG= MANUAL, enter the gateway. 4 <sup>th</sup> step of 4	3.1.12	gateway? 4/4 000	1	1



In all cases RC takes back control of	If setup and control features were made via Modbus, Wi-Fi, KNX, Ethernet communication,	4	CONTROL	Screen 8	40200
setup (after Modbus)	possibility here to switch control to a RC.	7	BY RC ? Y	(Set RC Master)	40200
f LS working mode					
Stop fans for certain 0- 10V signal voltage values	Stop fans if actual 0-10V signal value < Vlow?	5/6	STOP FAN IF V <vlow? n<="" td=""><td>Screen 12 – SETUP section</td><td>40501</td></vlow?>	Screen 12 – SETUP section	40501
Stop fans for certain 0- 10V signal voltage values	Enter Vlow value to stop fans if actual 0-10V signal value < Vlow	6.1	Vlow : 00,0 V	Screen 12 – SETUP section	40502
Stop fans for certain 0- 10V signal voltage values	Stop fans if actual 0-10V signal value > Vsup?	7/8	V>Vhigh? N	Screen 12 – SETUP section	40503
Stop fans for certain 0- IOV signal voltage values	Enter Vsup value to stop fans if actual 0-10V signal value > Vsup	8.1	Vhigh : 10,0 V	Screen 12 – SETUP section	40504
Supply and Exhaust airflows independent from one another and linked to 2 different 0-10V signals	Possibility to drive separately exhaust and supply airflows. Supply airflow rate via a 0-10V signal connected to K2, and exhaust airflow rate via another 0-10V signal connected to K3. The link airflow rate/signal value must be the same.	9	0-10V on K3? N	Screen 12 – SETUP section (0-10V on K3?)	40505
f CPs working mode					
Change Algorithm reaction speed	Configuration of the reaction speed of the CPs algorithm. 10 is Default value and is the highest reaction speed. Each -1 step corresponds to a doubling of the reaction time ( $10 = T$ , $9 = 2xT$ , $8 = 4xT$ ,). The default value is determined for most ducting application, only special applications (constant pressure in a room) require to change this parameter.	10	SPEED CPs? 10	Screen 1 (CPs speed)	40506
Change Algorithm reaction logic	Configuration of CPs mode operating logic: • Negative logic: - airflow rate drops when signal on K2 > assignment value - airflow rate rises when signal on K2 < assignment value • Positive Logic :: - airflow rate rises when signal on K2 > assignment value - airflow rate drops when signal on K2 < assignment value	11	LOGIC? NEGATIVE	Screen 1 (CPs Logic)	40507
f CA or LS working mode					
Stop fans when pressure alarm	Possibility to stop the fans in case of pressure alarm (after cancelling the alarm, press RESET to restart the fans.	12 / 13	PRESSURE ALARM STOP FAN? N	Screen 2 (Stop fans if alarm Pa?)	40500
For all working modes (CA,					
Change Starting Torque	Possibility to modify the fan's starting torque (2% default).	14 / 15	START TORQUE? 02%	Screen 1 (Start torque)	40508
Disable softstop function (via control device)	Disable the possibility to stop the fans using the RC (remote control) via K1/K2/K3 on TAC5 circuit. This feature corresponds to disabling the softstop function: - If RC master: the OFF key is disabled. - If TAC5 master:	16 / 17	FANS OFF Y	Screen 1 (Softstop allowed?)	40509
	-CA mode: if no entries connected to K1/K2/K3 then K1 airflow is activated. - LS or CPs Mode: if K1 entry not connected to +12V, then control will operate as if K1 was connected to +12V.				
	To do this select N (O is default value)				
Boost function	Configure supply/exhaust airflow rate in case of activation of Boost feature?	18	BOOST CONFIG ? N	1	/
Boost function	Enter supply airflow rate in case of activation of Boost feature?	18.1 18.2	SUPPLY ? xxx m³h	Screen 1 (Boost : supply)	40548
Boost function	Enter exhaust airflow rate in case of activation of Boost feature?		EXHAUST ? xxx m³h	Screen 1 (Boost : exhaust)	40549
Fire Alarm	Configure fire alarm operating mode?		FIRE AL CONFIG? N	1	/
Fire Alarm	Select how fire alarm is activated : entry IN3 is N.O or N.C (normally open or normally closed) NO : alarm is activated when in3 contact closed NC : alarm is activated when in3 contact is open		CONTACT IN3 ? N.O	Screen 2 (IN3 contact)	40510
Fire Alarm	Enter supply airflow rate when fire alarm is activated.	19.2	SUPPLY? 0000 m <sup>3</sup> h	Screen 2 (Supply)	40511
Fire Alarm		19.3	EXTHAUST?	Screen 2	

Bypeak control         Preschilty or methy Tr act ports for control equing/dicting the bypeak. Product Tr (B) > T1. Product Tr (B) > T1. Pr						
Instruction         modulation instance of ariflow yies to point if you select Y, then the airflowstorques and instruction and whyses is dealers.         BYPASS OPERY N         (set m <sup>A</sup> ) <sup>11</sup> If the bypass is open?)           Bypass control         Enter seption from one when bypass is dealers.         24.1         SUPPLY 0000m <sup>A</sup> Screen 3         40016           Bypass control         Enter schaust allow rate when by pass open.         24.2         EXHAUST 0000m <sup>A</sup> Screen 3         40517           Bypass control         Instruction in stance of the pass open.         24.2         EXHAUST 0000m <sup>A</sup> Screen 3         40517           Bypass control         Instruction instance on the pass open.         24.2         EXHAUST 0000m <sup>A</sup> Screen 3         40552           Bypass control         Instruction instance on the pass open.         24.2         EXHAUST 0000m <sup>A</sup> Screen 1         40552           Bypass control         Instruction instance on the pass open.         24.2         EXHAUST 0000m <sup>A</sup> Screen 1         40552           Bypass control         Instruction instance on the pass open.         24.3         BYPASS/W         Screen 1         40552           Bypass control         Instruction instance on the pass open.         25.3         STOP IF         Screen 1         40552           Control/Protection         Passibility to c	Bypass control	<ul> <li><u>Open by-pass</u> if all following conditions are met :</li> <li>Outdoor T° (S1) &lt; indoor T° (S2).</li> <li>Outdoor T° (S1) &gt; T1.</li> <li>Indoor T° (S2) &gt; T2.</li> <li><u>Closing by-pass</u> if one of the conditions is met:</li> <li>Outdoor T° (S1) &gt; T° indoor (S2).</li> <li>Outdoor T° (S1) &lt; T1 - 1°C.</li> </ul>		T1: 15°		
Control       Contro       Control       Control	Bypass control	modulation instead of airflow) when by-pass is open. If you select Y, then the airflows/torques are independent from the airflows/torques when bypass is closed (Closed bypass	23 / 24		Screen 3 (set $m^3/h^{(1)}$ if the bypass is open?)	40515
Control         (Exhaust)           Bypass control         If modulating bypass type (not available for all-or-nothing type): Modality of modulating bypass: - REFECCOL: freecoulds hanks to the modulation of the bypass opening according to the difference to control the in base of the exchanger output (TS) and the freecouling selpoint - AFFREEZ: antiference the control that the modulation of the bypass opening according to the the bypass opening to keep the T of the exhanger output (TS) above AF REC explort (see body). - AFFREEZ: combines the functionalities of FREECOL and AFFREEZE         Screen 10         Screen 10         Model           Contort/Protection         pessibility to end by the T of the exhanger output (TS) above AF REC explort (see body). - AFFREEZ: combines the functionalities of FREECOL and AFFREEZE         STOP IF T5-9'C 2N         Screen 10         Model           Antifrosting protection         Possibility to end by the not find by apply air themerature fails below S <sup>1</sup> C (only if temperature sersor T15 is wird).         Aff Protection and the apply air themerature fails below S <sup>1</sup> C (only if temperature sersor T15 is wird).         Screen 10         Screen 10         Model           Antifrosting protection         Possibility to end the antifrost function.         26.1         CONFIG AF? N         /         /           Antifrosting protection         Possibility to stop the fans if supply air T'< T' LOW.	Bypass control	Enter supply airflow rate when by-pass open.	24.1	SUPPLY 0000m <sup>3</sup> h		40516
Modality of modulating bypass:       Modality of modulating bypass:       FREECOOL:       FREECOOL:       FREECOOL:         addifference between the measured T <sup>-</sup> in the supply duct (Ts) and the freecooling septont difference between the measured T <sup>-</sup> in the supply duct (Ts) and the freecooling septont difference between the measured T <sup>-</sup> in the supply duct (Ts) and the freecooling septont difference between the measured T <sup>-</sup> in the supply duct (Ts) and the freecooling septont difference between the measured T <sup>-</sup> in the supply duct (Ts) and the freecooling septont difference between the measured T <sup>-</sup> in the supply duct (Ts) and the freecooling septont difference between the measured T <sup>-</sup> in the supply duct (Ts) and the freecooling septont difference between the measured T <sup>-</sup> in the supply duct (Ts) and the freecooling septont difference between the measured T <sup>-</sup> in the supply duct (Ts) and the freecooling septont difference between the measured T <sup>-</sup> in the supply duct (Ts) and the freecooling septont difference between the functional difference between the measured T <sup>-</sup> in the supply duct (Ts) and the freecooling septont difference between the functional difference between the measured transference difference between the functional difference between the supply and temperature configurations do the supply and temperature difference between the supply and temperature difference between the supply and temperature difference between the supply difference between the supply difference between the supply and temperature difference between the supply difference between the	Bypass control	Enter exhaust airflow rate when by-pass open.	24.2	EXHAUST 0000m <sup>3</sup> h		40517
Antifrosting protection       If KWin and Bain options not installed and, no modulating bypass installed on the selected bypass modality is FREECOL:       26       AF? Y       Screen 8 (AF protection active ?)       40019         Antifrosting protection       Possibility to modify the antifrost function parameters.       26.1       CONFIG AF? N       /       /         Antifrosting protection       Enter low T* value for antifrost function.       26.1.1       T* LOW AF: 1°C       Screen 8 (T* Low AF)       40520         Antifrosting protection       Enter low T* value for antifrost function.       26.1.2       T* HIGH AF: 5°C       Screen 8 (T' Low AF)       40520         Antifrosting protection       Enter high T* value for antifrost function.       26.1.2       T* HIGH AF: 5°C       Screen 8 (Stop supply if T <t* af)<="" low="" td="">       40521         Antifrosting protection       Possibility to stop the fans if supply air T<t* low.<="" td="">       26.1.3       AF STOP FAN F       40522         A.FREEZE modulating bypass modality       Possibility to stop the fans if supply air T<t* low.<="" td="">       26.1.3       AF STOP FAN F       Screen 8 (Stop supply if T<t* low?)<="" td="">       40522         A.FREEZE modulating bypass modality       Possibility to stop the fans if supply air T<t* low.<="" td="">       27       AF REC +01.0°C       Screen 5       40518         BAin       If KWin and BAin options not installed and, modulating bypass.       28       A</t*></t*></t*></t*></t*>	Bypass control	<ul> <li>Modality of modulating bypass:</li> <li>- FREECOOL: freecooling thanks to the modulation of the bypass opening according to the difference between the measured T° in the supply duct (T5) and the freecooling setpoint temperature configured in base setup.</li> <li>-A-FREEZE: antifrost protection of the plate heat exchanger thanks to the modulation of the bypass opening to keep the T° of the exhaust air at the exchanger output (T3) above AF REC setpoint (see below).</li> </ul>			Screen 4	40562
bypass modality is FREECOL: Possibility to enable (Y) or not (N) the heat exchanger's antifrost function by supply airflow rate reduction.(AF protection active ?)Antifrosting protection Antifrosting protectionPossibility to modify the antifrost function parameters.26.1CONFIG AF? N/Antifrosting protection Antifrosting protectionEnter low T* value for antifrost function.26.1.1T* LOW AF: 1*CScreen 8 (T* Low AF.)40520Antifrosting protection Antifrosting protectionEnter high T* value for antifrost function.26.1.2T* HIGH AF: 5*CScreen 8 (T* High AF.)40521Antifrosting protection bypass modality bypass modality A-FREEZE or AF-FREEC : Enter Setpoint T* to start ant-frost process with modulating bypass.26.1.3AF STOP FAN?YScreen 8 (Stop supply if T* <t* low?)<="" td="">40522Bain KWinIf KWin and BAin options not installed and, modulating bypass.28AF REC +01.0*CScreen 740518KWinIf KWin pre-hast coll present (option) : Enter Setpoint T* to start ant-frost process with BAin.28AF REC +01.0*CScreen 6 (Preheat on T5)40518KWinIf KWin re-hast coll present (option) : - T* in the supply duct T528AF REC +01.0*CScreen 6 (Preheat on T5)40518KWin / KWoutIf KWin or KNout option present, bit spossible to modify the PID parameters. CAUTION: these modifications can be fatal and should only be carried out by qualified personnel.30KWin T* KWin PiDScreen 6 (/ AF/r41.0*/KWin / KWin zerostionel, kWinFis possibility to modify PID parame</t*>	Comfort/Protection		25			40566
Antifrosting protection       Enter low T° value for antifrost function.       26.1.1       T° LOW AF: 1°C       Screen 8 (T° Low AF)       40520         Antifrosting protection       Enter high T° value for antifrost function.       26.1.2       T° HIGH AF: 5°C       Screen 8 (T° High AF)       40521         Antifrosting protection       Possibility to stop the fans if supply air T° T° LOW.       26.1.3       AF STOP FAN?Y       Screen 8 (T° High AF)       40522         A.F.REEZE modulating bypass modality       If KWin and BAin options not installed and, modulating bypass installed with the selected bypass modality to stop the fans if supply air T° T° LOW.       26.1.3       AF STOP FAN?Y       Screen 8 (Stop supply if T° T° Low?)       40522         BAin       If KWin and BAin options not installed and, modulating bypass installed with the selected bypass modality to stop the fans if supply in process with modulating bypass.       28       AF REC +01.0°C       Screen 7       40518         BAin       If BAin hydraulic pre-heat coil present (option) : Enter Setpoint T° to start anti-frost process with BAin.       28       AF REC +01.0°C       Screen 6 (Preheat on T5)       40518         KWin       If KWin pre-heat coil present (option) : Choose whether to compare the setpoint for anti-frost protection with: - T° in the supply duct T5       29       AF KWin ON: T3       Screen 6 (Preheat on T5)       /         KWin / KWout       If KWin or KWout option present, it is possible to modif	Antifrosting protection	bypass modality is FREECOOL: Possibility to enable (Y) or not (N) the heat exchanger's antifrost function by supply airflow		AF? Y		40519
Antifrosting protectionEnter high T° value for antifrost function.26.1.2T° HIGH AF: 5°C(T° Low AF) Screen 8 (T + High AF)40521Antifrosting protectionPossibility to stop the fans if supply air T° T° LOW.26.1.3AF STOP FAN?YScreen 8 (Stop supply if T° CT° Low?)40522A-FREEZE modulating bypass modalityH KWin and BAin options not installed and, modulating bypass installed with the selected bypass modality of the start ant-frost process with modulating bypass.27AF REC +01.0°CScreen 540518BAinIf BAin hydraulic pre-heat coil present (option) : Enter Setpoint T° to start ant-frost process with BAin.28AF REC +01.0°CScreen 640518KWinIf KWin pre-heat coil present (option) : Choose whether to compare the setpoint frost onti-frost protection with: - T° of the exhaust air at the exchanger output: T3. - T° in the supply duct: T529AF KKVin ON: T3Screen 6 (Preheat on T5)40518KWinEnter Setpoint T° to start ant-frost process with KWin.30KWin T° AF/+1.0°Screen 6 (Preheat on T5)/KWin / KWoutIf KWin or KWout option present, it is possible to modify the PID parameters. CAUTION: these modifications can be fatal and should only be carried out by qualified personnel.31.1KWin PIDScreen 6 (A0523KWinKWinKWin possibility to modify PID parameter (PB)31.1KWin PIDScreen 6 (A0524	Antifrosting protection	Possibility to modify the antifrost function parameters.	26.1	CONFIG AF? N	1	1
Antifrosting protection       Possibility to stop the fans if supply air T°< T° LOW.       26.1.3       AF STOP FAN?Y       Screen 8 (Stop supply if T° <t° low?)<="" th="">       40522         A-FREEZE modulating bypass modality       If KWin and BAin options not installed and, modulating bypass installed with the selected bypass modality A-FREEZE or AF-FREEC : Enter Setpoint T° to start anti-frost process with modulating bypass.       27       AF REC +01.0°C       Screen 5       40518         BAin       If BAin hydraulic pre-heat coil present (option) : Enter Setpoint T° to start anti-frost process with BAin.       28       AF REC +01.0°C       Screen 7       40518         KWin       If KWin pre-heat coil present (option) : Enter Setpoint T° to start anti-frost protection with: - T° of the exhaust air at the exchanger output: T3. - T° in the supply duct: T5       29       AF KWin ON: T3       Screen 6 (Stop supply)       40518         KWin       Enter Setpoint T° to start ant-frosting process with KWin.       30       KWin T° AF/+1,0°       Screen 6 (Stop supply)       /         KWin       Fither Setpoint T° to start ant-frosting process with KWin.       30       KWin T° AF/+1,0°       Screen 6 (Stop supply)       /         KWin       Fither Setpoint T° to start ant-frosting process with KWin.       30       KWin T° AF/+1,0°       Screen 6 (Stop supply)       /         KWin       Fither Setpoint T° to start ant-frosting process with KWin.       31       CONFIG PID KW ? N</t°>	Antifrosting protection	Enter low T° value for antifrost function.	26.1.1	T° LOW AF: 1°C		40520
A-FREEZE modulating bypass modality       If KWin and BAin options not installed and, modulating bypass installed with the selected bypass modality A-FREEZE or AF-FREEC : Enter Setpoint T* to start ant-frosting process with modulating bypass.       27       AF REC +01.0°C       Screen 5       40518         BAin       If BAin hydraulic pre-heat coil present (option) : Enter Setpoint T* to start ant-frosting process with BAin.       28       AF REC +01.0°C       Screen 7       40518         KWin       If BAin hydraulic pre-heat coil present (option) : Enter Setpoint T* to start ant-frosting process with BAin.       28       AF REC +01.0°C       Screen 7       40518         KWin       If BAin hydraulic pre-heat coil present (option) : Enter Setpoint T* to start ant-frosting process with BAin.       29       AF REC +01.0°C       Screen 6       40518         KWin       If kWin pre-heat coil present (option) : Choose whether to compare the setpoint for anti-frost protection with: - T° of the exhaust air at the exchanger output: T3. - T° in the supply duct: T5       30       KWin 7° AF(+1,0°       Screen 6       /         KWin       If KWin or KWout option present, it is possible to modify the PID parameters. CAUTION: these modifications can be fatal and should only be carried out by qualified personnel.       31.1       KWin PID       Screen 6       40523	Antifrosting protection	Enter high T° value for antifrost function.	26.1.2	.2 T° HIGH AF: 5°C Screen 8		40521
bypass modality       bypass modality AFREEZE or AF-FREEC : Enter Setpoint T° to start anti-frost process with modulating bypass.       +01.0°C       +01.0°C         BAin       If BAin hydraulic pre-heat coil present (option) : Enter Setpoint T° to start anti-frost process with BAin.       28       AF REC +01.0°C       Screen 7       40518         KWin       If KWin pre-heat coil present (option) : Choose whether to compare the setpoint for anti-frost protection with: - T° of the exhaust air at the exchanger output: T3. - T° in the supply duct: T5       29       AF KWin ON: T3       Screen 6       40518         KWin       Enter Setpoint T° to start ant-frosting process with KWin.       30       KWin T° AF/+1,0°       Screen 6       /         KWin / KWout       If KWin or KWout option present, it is possible to modify the PID parameters. CAUTION: these modifications can be fatal and should only be carried out by qualified personnel.       31.1       CONFIG PID KW ? N       /         KWin       KWin : possibility to modify PID parameter (PB)       31.1       KWin PID       Screen 6       40524	Antifrosting protection	Possibility to stop the fans if supply air T°< T° LOW.	26.1.3	AF STOP FAN?Y		40522
BAin       If BAin hydraulic pre-heat coil present (option) : Enter Setpoint T° to start ant-frosting process with BAin.       28       AF REC +01.0°C       Screen 7       40518         KWin       If KWin pre-heat coil present (option) : Choose whether to compare the setpoint for anti-frost protection with: - T° of the exhaust air at the exchanger output: T3. - T° in the supply duct: T5       29       AF KWin ON: T3       Screen 6 (Preheat on T5)       40518         KWin       Enter Setpoint T° to start ant-frosting process with KWin.       30       KWin T° AF/+1,0°       Screen 6 (Setpoint KWin)       //         KWin / KWout       If KWin or KWout option present, it is possible to modify the PID parameters. CAUTION: these modifications can be fatal and should only be carried out by qualified personnel.       31       CONFIG PID KW ? N       /       40523         KWin : possibility to modify PID parameter (PB)       31.1       KWin PID       Screen 6       40524		bypass modality A-FREEZE or AF-FREEC :			Screen 5	40518
KWin       If KWin pre-heat coil present (option) : Choose whether to compare the setpoint for anti-frost protection with: - T° of the exhaust air at the exchanger output: T3. - T° in the supply duct: T5       29       AF KWin ON: T3       Screen 6 (Preheat on T5)       40518         KWin       Enter Setpoint T° to start ant-frosting process with KWin.       30       KWin T° AF/+1,0°       Screen 6 (Setpoint KWin)       40518         KWin / KWout       If KWin or KWout option present, it is possible to modify the PID parameters. CAUTION: these modifications can be fatal and should only be carried out by qualified personnel.       31       CONFIG PID KW ? N       /       40523         KWin       KWin : possibility to modify PID parameter (PB)       31.1       KWin PID       Screen 6 (Setpoint KWin)       40524	BAin	If BAin hydraulic pre-heat coil present (option) :			Screen 7	40518
KWin / KWout     If KWin or KWout option present, it is possible to modify the PID parameters. CAUTION: these modifications can be fatal and should only be carried out by qualified personnel.     31     CONFIG PID KW ? N     /     40523       KWin     KWin : possibility to modify PID parameter (PB)     31.1     KWin PID     Screen 6     40524		If KWin pre-heat coil present (option) : Choose whether to compare the setpoint for anti-frost protection with: - T° of the exhaust air at the exchanger output: T3. - T° in the supply duct: T5		ON: T3		40518
CAUTION: these modifications can be fatal and should only be carried out by qualified personnel.       PID KW ? N         KWin       KWin : possibility to modify PID parameter (PB)       31.1       KWin PID       Screen 6       40524			30	AF/+1,0°		1
		CAUTION: these modifications can be fatal and should only be carried out by qualified		PID KW ? N	/	
	KWin	KWin : possibility to modify PID parameter (PB)	31.1			40524

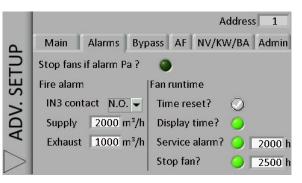
		31.2			
KWin	KWin : possibility to modify PID parameter (Tr)		KWin PID Ti=030	Screen 6 (Select PID KWin)	40525
KWin	KWin : possibility to modify PID parameter (Td)	31.3	KWin PID Td=011	Screen 6 (Select PID KWin)	40527
KWout	KWout: possibility to modify PID parameter (PB)         3		KWoutPID PB=005	Screen 9 (Select PID KWout)	40528
KWout	KWout: possibility to modify PID parameter (Tr)         3		KWoutPID Ti=030	Screen 9 (Select PID KWout)	40529
KWout	KWout: possibility to modify PID parameter (Td)	31.6	KWoutPID Td=011	Screen 9 (Select PID KWout)	40526
NV	If NV option installed: Possibility to change the reaction speed configuration of the post heating algorithm (3 way valve regulation). Default value is '5' for a middle speed reaction time. Each step of -1 corresponds to a doubling of the reaction time ('5'=T, '4'=2xT, '3'=4xT, '2'=8xT,). Each step of +1 corresponds to a halving of the reaction time ('5'=T, '6'=T/2, '7'=T/4, '8'=T/8, ). We recommend changing this value only if you experience T° stability problems in your application.		NV/BA SPEED 05	Screen 10 (NV speed)	1
SAT BA	Possibility to modify the regulation parameters of the heat exchangers regulated by the SAT BA/KW (option)	32.1	SAT BA ? NO	1	40550
SAT BA	Select coil type(s) regulate by the SAT BA/KW: BA+, BA-, BA+/-, BA+/BA-, KW, BA-/KW, BAin, BAin/BA+, BAin/BA+-	32.1.1	TYPE BA ? KW/BA-	Screen 9 or 10 (Sat BA?)	40526
SAT BA	If BA+ option installed and regulated by SAT BA/KW : Possibility to change the reaction speed configuration of the post heating algorithm (3 way valve regulation). Default value is '5' for a middle speed reaction time. Each step of -1 corresponds to a doubling of the reaction time ('5'=T, '4'=2xT, '3'=4xT, '2'=8xT,). Each step of +1 corresponds to a halving of the reaction time ('5'=T, '6'=T/2, '7'=T/4, '8'=T/8, ). We recommend changing this value only if you experience T° stability problems in your application.	32.1.2	NV/BA SPEED 05	Screen 10 (BA+ speed)	40551
Comfort	In the presence of post-heating or post-cooling coil(s), regulation of the comfort T ° on supply (T5) or exhaust / ambient (T2). The temperature measured on the selected sensor is used to determine the deviation from the setpoint for regulating the heating or cooling power.	33	COMFORT ON T5		40570
Comfort	If comfort on T2, configuration of the reaction speed of the postheating/cooling. 8 is default value and is the normal reaction speed. Each -1 step slows down and corresponds to a doubling of the reaction time (8 = T, 7 = 2xT, 6 = 4xT,). Each +1 step speeds up and corresponds to a diving of the reaction time (8 = T, 9 = T/2, 10 = $T/4$ ).	33.1	COMF. SPEED?08		40571
Comfort	If comfort on T2, lower limit of the temperature reached in supply flow (T5), active when post- cooling. Protection to prevent an excessively cold blowing. Range: 0 to 22°C	33.2	T5 MIN 15°C		40572
Comfort	If comfort on T2, upper limit of the temperature reached in supply flow (T5), active when post- heating. Protection to prevent excessively warm blowing. Range: 16 to 50°C	33.3	T5 MAX 28°C		40573
0-10V output signal	Choice of information delivered by 0-10V OUT1 output connection: airflow/torque or pressure on one fan (default value is airflow/torque on fan F1).	34	Out 1 Pa F1	Screen 1 (OUT1 (0-10V))	40530
0-10V output signal	Choice of information delivered by 0-10V OUT2 output connection: airflow/torque or pressure on one fan (default value is pressure on fan F1).	35	Out 2 Pa F1	Screen 1 (OUT2 (0-10V))	40531
Post ventilation	Enable post-ventilation feature (allow fans to run during a certain amount of time after softstop is activated). Caution: if Preheat KWin and/or Post-heat KWout, and/or SAT BA/KW is installed, the post-ventilation feature is automatically enabled. It is then impossible to set it to 'NO'.	36	POST VENT? N	Screen 10 (Post-vent. ?)	40532
Post ventilation	Enter post-ventilation time (in seconds) Caution: if pre or post electrical heating (KWin / KWout / KWext), time must be of at least 90 seconds.	36.1	TIME PV 0090 sec	Screen 10 (Delay)	40533
Operating time	Possibility to enable a fan operating time counter feature. The purpose is to report a maintenance alarm and/or to stop the fans after a certain time of operation.	37	FAN RUN TIME? N	Enabled if one of the operating time features is enabled.	40534

				(see hereunder / cfr screen 3)	
Operating time	Reset operating time counter to 0	37.1	TIME RESET ? N	Screen 2 (time reset ?)	40252
Operating time	Enable display of operating time	37.2	DISPLAY TIME? N	Screen 2 (Display time ?)	40535
Operating time	Enable maintenance alarm after a certain operating time?	37.3	SERVICE ALARM? N	Screen 2 (Service alarm ?)	40536
Operating time	Enter operating time limit (in hours) to generate a maintenance alarm.	37.3.1	TIME ? 000000 h	Screen 2 (xxxxh)	40537 40538
Operating time	Enable 'fan stop' alarm after a certain operating time?	37.4	STOP FAN? N	Screen 2 (stop fan ?)	40539
Operating time	Enter operating time limit (in hours) to generate a 'fan stop' alarm. The fans will be stopped after this limit is passed.	37.4.1	TIME ? 000000 h	Screen 2 (xxxxh)	40540 40541
Alarm display	Possibility to display only the alarms on the graphic screen. If no alarm is activated then "Vent OK" is displayed.	38	DISPLAY ALARM ONLY? N	1	40542
Backward fan	Only with backward fans and kit CA: possibility to change the K-factor parameter of the fan.	39	K-FACTOR ?xxx		40559
Backward fan	Only with backward fans and kit CA: Select the pressure sensor type: 0: 0,5-4,5V=0-1000Pa, 1: 0-10V=0-1000Pa, 2: 0,5-4,5V=0-500Pa, 3: 0-10V=0-500Pa, 4: 0,5- 4,5V=0-300Pa, 5: 0-10V=0-300Pa, 6: 0,5-4,5V=0-3000Pa, 7: 0-10V=0-3000Pa, 8: : 0-10V=0-2000Pa	40	SENSOR dPa? x		40558
Access Code	Possibility to activate an access code to allow access to setup and advanced setup.	41	ACCESS CODE? N	Screen 11 (Access code ?)	40546
Access Code	Enter access code to setup and advanced setup (4 decimals).	41.1	CODE 0000	Screen 11 Possibility to configure 3 different access code levels : - Access to control level only - Access to control and setup only - Full access	40547
Full Reset	Possibility to operate a general factory reset. All factory settings are then regenerated.	42	FACTORY RESET? N		40251
	End of advanced setup	43	END SETUP		

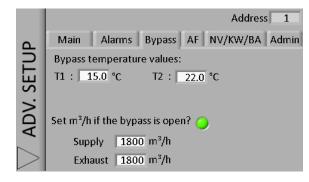
# Appendix 1: Advanced Setup screens on the GRC

Scree	n 1
	Address 1
4	Main Alarms Bypass AF NV/KW/BA Admin
2	Start torque 2 %
ADV. SETUP	Softstop allowed? 🥥
>	OUT1 (0-10V) m <sup>3</sup> /h Supply
Q	OUT2 (0-10V) Pa Supply
A	Boost: Supply 2400 m <sup>3</sup> /h Exhaust 2400 m <sup>3</sup> /h
$\geq$	CPs Speed – 10 + CPs Logic Negative

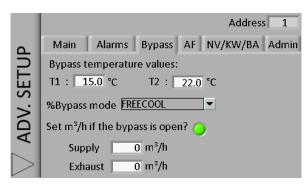
## Screen 2



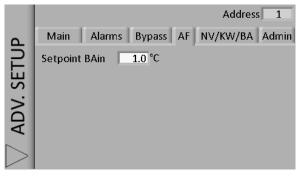
### Screen 3



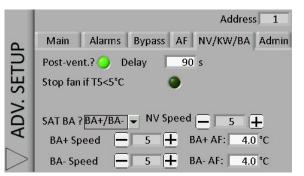
### Screen 4



## Screen 7



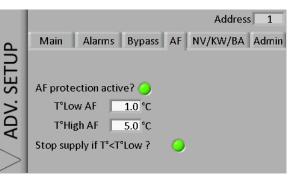
Screen 10



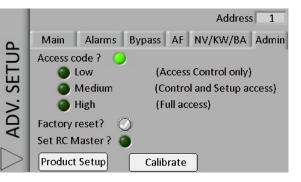
## Screen 5

					Address	s <u>1</u>
٦	Main	Alarms	Bypass	AF	NV/KW/BA	Admin
🗸 ADV. SETUP	Exchanger	antifreeze	e protecti	on T⁰		+1.0

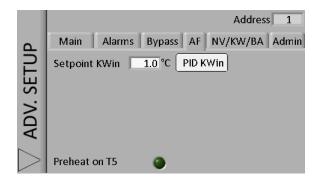
# Screen 8



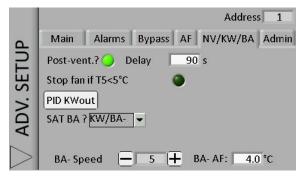
# Screen 11



### Screen 6



# Screen 9



## Screen 12

