

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 ↑ ↓ 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	If TAC5 DG/DT + RC		If TAC5 DG/DT + GRC	If TAC5 DG/DT + MODBUS Register n°
		Step	Text on screen		
<i>For all working modes (CA, LS, CPs)</i>					
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
<i>If SAT MODBUS plugged or no SAT on Modbus connector plugged</i>					
Modbus configuration	Enter MODBUS communication configuration mode ?	3	MODBUS CONFIG ? Y	/	/
Modbus 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	/	/
Modbus Configuration	Select Parity: N (none) – E (even) – O (odd)	3.3	PARITY : N	/	/
<i>If SAT ETHERNET plugged</i>					
Ethernet configuration	Ability to configure the Ethernet communication settings:	3	LAN CONFIG? N	/	/
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.	3.1	IP CNFG? DHCP	/	/
Ethernet configuration	If IP CNFG= MANUAL, enter the static ip address. 1 st step of 4. Example: if IP address is 193.100.0.23, enter here at step 1:193	3.1.1	Ip addr? 1/4 000	/	/
Ethernet configuration	If IP CNFG= MANUAL, enter the static ip address. 2 nd step of 4. Example: if IP address is 193.100.0.23, enter here at step 2:100	3.1.2	Ip addr? 2/4 000	/	/
Ethernet configuration	If IP CNFG= MANUAL, enter the static ip address. 3 rd step of 4. Example: if IP address is 193.100.0.23, enter here at step 3:0	3.1.3	Ip addr? 3/4 000	/	/
Ethernet configuration	If IP CNFG= MANUAL, enter the static ip address. 4 th step of 4. Example: if IP address is 193.100.0.23, enter here at step 4:23	3.1.4	Ip addr? 4/4 000	/	/
Ethernet configuration	If IP CNFG= MANUAL, enter the netmask. 1 st step of 4	3.1.5	netmask? 1/4 255	/	/
Ethernet configuration	If IP CNFG= MANUAL, enter the netmask. 2 nd step of 4	3.1.6	netmask? 2/4 255	/	/
Ethernet configuration	If IP CNFG= MANUAL, enter the netmask. 3 rd step of 4	3.1.7	netmask? 3/4 255	/	/
Ethernet configuration	If IP CNFG= MANUAL, enter the netmask. 4 th step of 4	3.1.8	netmask? 4/4 255	/	/
Ethernet configuration	If IP CNFG= MANUAL, enter the gateway. 1 st step of 4	3.1.9	gateway? 1/4 000	/	/
Ethernet configuration	If IP CNFG= MANUAL, enter the gateway. 2 nd step of 4	3.1.10	gateway? 2/4 000	/	/
Ethernet configuration	If IP CNFG= MANUAL, enter the gateway. 3 rd step of 4	3.1.11	gateway? 3/4 000	/	/
Ethernet configuration	If IP CNFG= MANUAL, enter the gateway. 4 th step of 4	3.1.12	gateway? 4/4 000	/	/

In all cases					
RC takes back control of setup (after Modbus)	If setup and control features were made via Modbus, Wi-Fi, KNX, Ethernet communication, possibility here to switch control to a RC.	4	CONTROL BY RC ? Y	Screen 8 (Set RC Master)	40200
If 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	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 0-10V 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
If 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: <ul style="list-style-type: none"> • Negative logic: <ul style="list-style-type: none"> - airflow rate drops when signal on K2 > assignment value - airflow rate rises when signal on K2 < assignment value • Positive Logic :: <ul style="list-style-type: none"> - 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
If 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, LS, CPs)					
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: - 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)	16 / 17	FANS OFF Y	Screen 1 (Softstop allowed?)	40509
Boost function	Configure supply/exhaust airflow rate in case of activation of Boost feature?	18	BOOST CONFIG ? N	/	/
Boost function	Enter supply airflow rate in case of activation of Boost feature?	18.1	SUPPLY ? xxx m³h	Screen 1 (Boost : supply)	40548
Boost function	Enter exhaust airflow rate in case of activation of Boost feature?	18.2	EXHAUST ? xxx m³h	Screen 1 (Boost : exhaust)	40549
Fire Alarm	Configure fire alarm operating mode?	19	FIRE AL CONFIG? N	/	/
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	19.1	CONTACT IN3 ? N.O	Screen 2 (IN3 contact)	40510
Fire Alarm	Enter supply airflow rate when fire alarm is activated.	19.2	SUPPLY? 0000 m³h	Screen 2 (Supply)	40511
Fire Alarm	Enter exhaust airflow rate when fire alarm is activated.	19.3	EXTHAUST? 0000 m³h	Screen 2 (Exhaust)	40512

Bypass control	<p>Possibility to modify T° set points to control opening/closing the bypass.</p> <ul style="list-style-type: none"> <u>Open by-pass</u> if all following conditions are met : <ul style="list-style-type: none"> - Outdoor T° (S1) < indoor T° (S2). - Outdoor T° (S1) > T1. - Indoor T° (S2) > T2. <u>Closing by-pass</u> if one of the conditions is met: <ul style="list-style-type: none"> - Outdoor T° (S1) > T° indoor (S2). - Outdoor T° (S1) < T1 - 1°C. - Indoor T° (S2) < T2 - 2°C. 	20 / 21 / 22	BYPASS T VALUES : T1: 15° T2: 22°	Screen 3 (T1 and T2)	40513 40514
Bypass control	Enter supply and exhaust airflow rates (or percentages of maximum fan torque if torque 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 airflows/torques, are function of working mode, K1, K2, K3 status or Modbus commands).	23 / 24	SET m³h IF BYPASS OPEN? N	Screen 3 (set m³/h ⁽¹⁾ if the bypass is open?)	40515
Bypass control	Enter supply airflow rate when by-pass open.	24.1	SUPPLY 0000m³h	Screen 3 (Supply)	40516
Bypass control	Enter exhaust airflow rate when by-pass open.	24.2	EXHAUST 0000m³h	Screen 3 (Exhaust)	40517
Bypass control	<p>If modulating bypass type (not available for all-or-nothing type): Modality of modulating bypass:</p> <ul style="list-style-type: none"> - 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. -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). - AF-FREEC : combines the functionalities of FREECOOL and A-FREEZE 	24.3	BYPASS%= FREECOOL	Screen 4	40562
Comfort/Protection	Possibility to stop the fan if the supply air temperature falls below 5°C (only if temperature sensor T5 is wired)	25	STOP IF T5<5°C ?N	Screen 10 (STOP FAN IF T5<5°C)	40566
Antifrosting protection	<p>If KWin and BAin options not installed and, no modulating bypass installed or the selected bypass modality is FREECOOL: Possibility to enable (Y) or not (N) the heat exchanger's antifrost function by supply airflow rate reduction.</p>	26	AF? Y	Screen 8 (AF protection active ?)	40519
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 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 (Stop supply if T° < T° Low?)	40522
A-FREEZE modulating bypass modality	<p>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.</p>	27	AF REC +01.0°C	Screen 5	40518
BAin	<p>If BAin hydraulic pre-heat coil present (option) : Enter Setpoint T° to start ant-frosting process with BAin.</p>	28	AF REC +01.0°C	Screen 7	40518
KWin	<p>If KWin pre-heat coil present (option) : Choose whether to compare the setpoint for anti-frost protection with:</p> <ul style="list-style-type: none"> - 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	<p>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.</p>	31	CONFIG PID KW ? N	/	40523
KWin	KWin : possibility to modify PID parameter (PB)	31.1	KWin PID PB=005	Screen 6 (Select PID KWin)	40524

KWin	KWin : possibility to modify PID parameter (Tr)	31.2	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)	31.4	KWoutPID PB=005	Screen 9 (Select PID KWout)	40528
KWout	KWout: possibility to modify PID parameter (Tr)	31.5	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.	32	NV/BA SPEED 05	Screen 10 (NV speed)	/
SAT BA	Possibility to modify the regulation parameters of the heat exchangers regulated by the SAT BA/KW (option)	32.1	SAT BA ? NO	/	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	/	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

Screen 1

Address 1

Main Alarms Bypass AF NV/KW/BA Admin

Start torque 2 %

Softstop allowed?

OUT1 (0-10V) m³/h Supply

OUT2 (0-10V) Pa Supply

Boost: Supply 2400 m³/h Exhaust 2400 m³/h

CPs Speed 10 CPs Logic Negative

Screen 2

Address 1

Main Alarms Bypass AF NV/KW/BA Admin

Stop fans if alarm Pa?

Fire alarm IN3 contact N.O.

Supply 2000 m³/h Exhaust 1000 m³/h

Fan runtime Time reset?

Display time?

Service alarm? 2000 h

Stop fan? 2500 h

Screen 3

Address 1

Main Alarms Bypass AF NV/KW/BA Admin

Bypass temperature values:
T1 : 15.0 °C T2 : 22.0 °C

Set m³/h if the bypass is open?

Supply 1800 m³/h Exhaust 1800 m³/h

Screen 4

Address 1

Main Alarms Bypass AF NV/KW/BA Admin

Bypass temperature values:
 T1 : 15.0 °C T2 : 22.0 °C

%Bypass mode FREECOOL

Set m³/h if the bypass is open?

Supply 0 m³/h
 Exhaust 0 m³/h

Screen 5

Address 1

Main Alarms Bypass AF NV/KW/BA Admin

Exchanger antifreeze protection T° +1.0

Screen 6

Address 1

Main Alarms Bypass AF NV/KW/BA Admin

Setpoint KWin 1.0 °C PID KWin

Preheat on T5

Screen 7

Address 1

Main Alarms Bypass AF NV/KW/BA Admin

Setpoint BAin 1.0 °C

Screen 8

Address 1

Main Alarms Bypass AF NV/KW/BA Admin

AF protection active?

T°Low AF 1.0 °C
 T°High AF 5.0 °C

Stop supply if T° < T°Low ?

Screen 9

Address 1

Main Alarms Bypass AF NV/KW/BA Admin

Post-vent.? Delay 90 s

Stop fan if T5 < 5 °C

PID KWout

SAT BA ? KW/BA-

BA- Speed - 5 + BA- AF: 4.0 °C

Screen 10

Address 1

Main Alarms Bypass AF NV/KW/BA Admin

Post-vent.? Delay 90 s

Stop fan if T5 < 5 °C

SAT BA ? BA+/BA- NV Speed - 5 +

BA+ Speed - 5 + BA+ AF: 4.0 °C
 BA- Speed - 5 + BA- AF: 4.0 °C

Screen 11

Address 1

Main Alarms Bypass AF NV/KW/BA Admin

Access code ?

- Low (Access Control only)
- Medium (Control and Setup access)
- High (Full access)

Factory reset?

Set RC Master ?

Product Setup Calibrate

Screen 12

Working mode LS Address 1

Main Alarm Pa

Vmin 0.0 V Flow @ Vmin 100 m³/h
 Vmax 10.0 V Flow @ Vmax 2000 m³/h

Stop fans if V < Vlow ? Vlow 0.0 V
 Stop fans if V > Vhigh ? Vhigh 10.0 V

% Exhaust/Sup. 90 % % on K3 50 %
 0-10V on K3