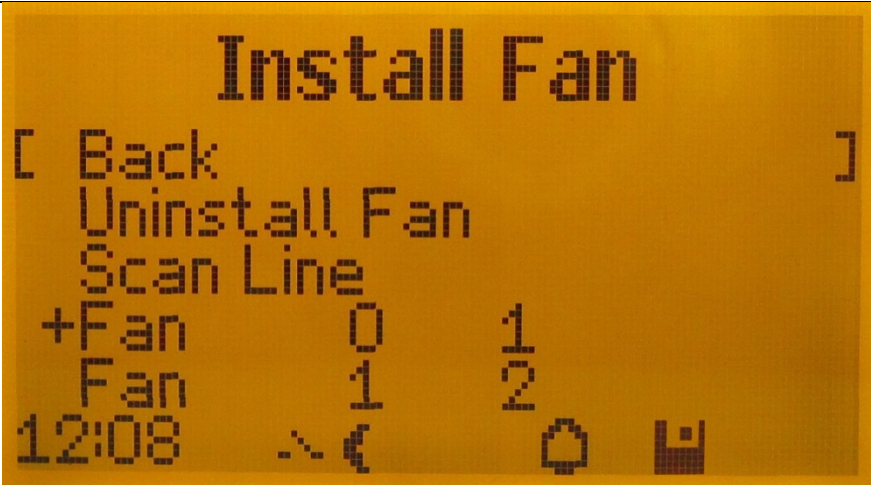



**BA-ECE 03 Software – Release 2015-11-25**

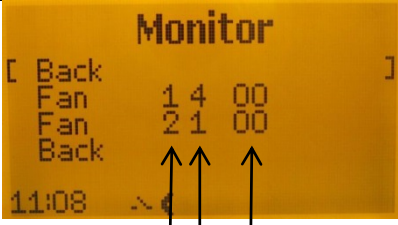
**ECE 03-0200-5E-MG  
FANCommander 200**



<p><i>Menu Line</i></p> <p><i>Curser Position</i> [.....]</p> <p><i>"marked"</i> +</p> <p><i>Time</i></p>										
	<p><i>Time</i> →</p>		<p>enable extern</p> <p>✓ / intern</p> <p>⊗ / off</p>	<p>Day</p> <p>* / Night</p>		<p>Alarm →</p>	<p>Log Memory full →</p>			
	<p>Manual guideline:</p> <p><b><i>Bold print - italic style</i></b>: default setting</p>									

start device	Accesslevel → <b>Viewer</b>  
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Mainmenu	Submenu1	Submenu2	Login	Logout	Monitor	Control	Configuration	Controller	Sensorvalues	Errorhandler	Database	Properties
Login	Viewer		○	⊗	○	⊗	⊗	○	○	⊗	⊗	⊗
	Operator	→ Password	○	○	○	○	⊗	○	○	⊗	⊗	⊗
	Administrator	→ Password	○	○	○	○	○	○	○	○	○	○
Logout												

	 <p style="text-align: center;"> <i>Line</i>  <i>Address</i>  <i>State</i> </p>
--	---

Monitor	
select address	
Error State speed set point max speed Power	<i>Error (encoded)</i> <i>Speed source (Off-Day-Night-Controller)</i> <i>speed in rpm</i> <i>set speed in rpm</i> <i>max speed in rpm</i> <i>act. Power</i>

<b>Control</b> <i>(Operator level required)</i>	
Single	Chose Address
Speed Day	Set speed - day
Speed Night	Set speed - night
Offset	0 ... 100% (0%) add permanent speed offset to set speed (day, night & closed loop control setting)
Start Fan	start fan
Stop	stop fan
Reset	reset fan
Group	Chose group - if group is active in closed loop mode - warning occurs
...	settings according single menu but for chosen group
Line 1	
...	settings according single menu but for Line 1
Line 2	
...	settings according single menu but for Line 2
All Devices	
...	settings according single menu but for all devices

<b>Configuration</b> <i>(Administrator level required)</i>	
Single	Choose Address
max Speed	set maximum speed of chosen devices
Group	Chose Group
...	settings according single menu but for chosen group
Line 1	
...	settings according single menu but for Line 1
Line 2	
...	settings according single menu but for Line 2
All Devices	
...	settings according single menu but for all devices


<b>Controller</b> <i>(Operator level required)</i>	
Monitor Controller	
Controller 1	
State Set. Day Set. Night Val. Sens Controllvalue	
Controller 2	
...	<i>settings according Controller 1 but for Controller 2</i>
Control Controller	
Controller 1	
Set. Day	<i>0 .. <b>50%</b> ..max Value – according chosen unit</i>
Set. Night	<i>0 .. <b>25%</b> ..max Value – according chosen unit</i>
Start Controller	<i>Start Controller (closed loop control, or analogue mode)  Required to activate Sensor value monitoring</i>
Stop Controller	<i>Stop Controller</i>
Controller 2	
...	<i>settings according Controller 1 but for Controller 2</i>
Config Controller	<i>Configuration Closed loop Controller</i>
Controller 1	
Group	<i>0 ... 10 <b>0</b> = none group 1 ... 10 = group 1 ... group 10</i>
Kp	<i>0 ... 100% <b>(5%)</b> Proportional gain</i>
Ki	<i>0 ... 100% <b>(5%)</b> Integrating gain</i>
Tv	<i>0 ... 100% <b>(50%)</b> Feed forward factor</i>
Ta	<i>0 ... 255 s <b>(2s)</b> Sample rate</i>

Unit	<i>Rated</i>	%
	<i>Velocity</i>	m/s ft/min
	<i>Pressure</i>	mbar <b>Pa</b> mmHG mmH2O
	<i>Volume</i>	m3/h ft3/min
Min. Value	<i>according to unit (0)</i>	
Max. Value	<i>according to unit (max value)</i>	
Digital Input	<b>Internal</b> – according internal timer External – according Digital Input  <i>Enable signal for controller 1</i>	
Controll Mode	<b>Controller</b> - Closed loop controller  Analogue Input - speed acc. analogue input	
Filter Depth	0 ... 15 <b>(6)</b>	
Controller 2		
...	<i>settings according Controller 1 but for Controller 2</i>	

<b>Sensor-values</b>	
Val. Sens 1	Monitor Value Sensor 1  <i>Start controller 1 required</i>
Val. Sens 2	Monitor Value Sensor 2  <i>Start controller 2 required</i>

<b>Errorhandler</b> <i>(Operator level required)</i>	
Quit All	<i>Quit all existing faults</i>
Error a - Address 1 Error b - Address 2 ... Error n - Address n	<i>choose address - to quit individual fault</i>
List of possible errors a ... n:	
Error clock	<i>internal clock needs to be set – “Set Clock”</i>
no Response	<i>no communication to installed fan</i>
Mains	<i>fan mains down</i>

MCU Error	<i>fan controller error</i>
Motor Error	<i>fan motor</i>
Speed Error	<i>Fan speed error set speed not achieved</i>

<b>Database</b> <i>(Administrator level required)</i>	
Config Line	
Line 1	<i>chose correct bus-type for line 1</i>
Line 2	<i>chose correct bus-type for line 2</i>
Install Fan	
Line 1	
Uninstall Fan	<i>uninstall all fans of this line</i>
Scan Line	<i>whole address range scanned 0(1) ... 99(100) and installed automatically</i>  <b>NOTE!</b> <b>Correct fan addressing required</b>  <i>max-speed being read</i>
Fan ID	<i>marked (+) fan can be installed manually max. speed needs to be set (Configuration)</i>
Line 2	
...	<i>settings according Line 1</i>
Assign Group	
choose address	<i>choose group to assign ( 0 ... 10)</i>  <b>0 = none group</b> <i>1 ... 10 = group 1 ... group 10</i>

<b>Properties</b> <i>(Administrator level required)</i>	
Change Language	<b>English</b> ↔ German
Relay Mode	
Relay Error	<b>low active</b> ↔ high active
Relay new Error	<b>low active</b> ↔ high active
Change Day/Night	
Off	<i>permanent „Day“ set</i>
Internal	<i>Schedule according „Set Timer“ Switching inactive if Error clock is active “Set Clock” to reactivate</i>
<b>External</b>	<i>Switch according Digital Input “Day/Night”</i>
Set Timer	
Start Day	hrs : min
Start Night	hrs : min
Set Clock	date : month : year hrs : min
Timeout Light	<b>0s</b> ... 600s <b>0s</b> → <i>Light Display ON permanently</i>
auto. logout	10s ... 600s <10s → 10s <b>0s</b> → <i>No auto logout</i>  <i>Logout time from access level operator &amp; administrator</i>
Change Password	
Operator	insert old – insert new – repeat new
Administrator	insert old – insert new – repeat new
Scale AI	<i>scale analogue inputs</i> <b>NOTE</b> 0,5V(=) and 10V(=) required
Clear log	<i>Memory cleared</i>
Factory default	<i>Reset factory settings</i> <b>NOTE!</b> – <i>The scaling of the analogue inputs will be reset too and needs to be renewed on demand!</i>
Update Firmware	<i>Service only (encoded)</i>