Module	Module key	Group	Group ID	Description	CO_2	SCW	TH
Sentiface	0x1XXX	timings	0x00	Defines parameters for measurements and transmission behavior	✓	✓	✓
Sentiface	0x1XXX	alarm settings	0x01	Defines measurement thresholds for triggering the alarm for the CO2 sensor	✓		
Sentiface	0x1XXX	buzzer	0x02	Defines the buzzer behavior	✓	✓	✓
Sentiface	0x1XXX	TAP settings	0x03	Defines the behavior of the sensor's tap function	(✓)	(✓)	(✓)
Sentiface	0x1XXX	LED Settings	0x04	Switches LEDs on or off	✓	✓	✓
Sentiface	0x1XXX	alarm data source temperature and humidity alarm	0x05	Controls the type of measurement that triggers the alarm. As well as the measurement thresholds for triggering the temperature and humidity alarm	✓	✓	✓
Sentiface	0x1XXX	surface temperature alarm	0x06	Adjust temperature deviations and set emissivity		✓	
Sentiface	0x1XXX	calibration	0x07	Control of auto-calibration		✓	

(✓) optional, ✓ included

Tables for cross-product modules (Senticom/Sentivisor) can be found in the generic NFC and downlink documentation.

Further information on configuring sensor communication can be found in the respective generic LoRaWAN® or Mioty® documentation, depending on the version.

SENTIFACE: TIMINGS GROUP 0x00 (CO_2, SCW, TH)								
Property	Property ID	Description	Key (NFC/BLE)	Min	Max	Default	Unit	Module Key
MEASUREMENT PERIOD	0x00	Specifies the period in which the measured values are recorded. 5 minutes means that a measurement is always taken by the sensor after 5 minutes.	period	1	60	60	min	1111
MEASUREMENT REPORT EVERY	0x01	Number of measurements taken until transmission.	every or pause (depending on version)	1	64	6		1111
SAVE AND TRANSFER VALUES	0x02	Specifies whether past measured values are also sent: (from Minor version 1.2) 0: off 1: on	pasten	0	1	0		1121
NUMBER OF STORED VALUES	0x03	Maximum number of past measured values that are sent with a transmission. The actual number depends on the technology (from Minor version 1.2)	pastnum	1	30 IoT / 6 LoRaWAN	Max (30/6)		1121

SENTIFACE: ALARM GROUP 0x01 (only with Febris CO_2)								
Property	Property ID	Description	Key (NFC/BLE)	Min	Max	Default	Unit	Module Key
DELTA THRESHOLD CO_2	0x00	Indicates by how much the CO_2 value must change in absolute terms compared to the last transmission for an ALARM transmission to be triggered. This transmission is carried out independently of the normal transmission interval.	delta	300	2000	300	ppm	1111
YELLOW THRESHOLD CO_2	0x01	Indicates the CO_2 threshold that must be exceeded for the sensor to change to the yellow state (yellow LED lights up).	yellow	500	3000	1000	ppm	1111
RED THRESHOLD CO_2	0x02	Indicates the CO_2 threshold that must be exceeded for the sensor to change to the red state (red LED lights up).	red	500	3000	2000	ppm	1111
LEVEL HYSTERISIS CO_2	0x03	Determines the absolute hysteresis for state changes. If the CO_2 concentration falls below a threshold value minus hysteresis, the system switches from a higher to a lower alarm status.	hyst	0	300	100	ppm	1111

SENTIFACE: BUZZER GROUP 0x02 (CO_2, SCW, TH)								
Property	Property ID	Description	Key (NFC/BLE)	Min	Max	Default	Unit	Module Key
BUZZER SETTING	0x00	Specifies the behavior of the buzzer. 0: Buzzer off 1: Buzzer in case of alarm level change above the defined thresholds 2: Always on in case of alarm (if the sensor remains in the yellow or red state, the buzzer always reports the state for each measurement) 3: Buzzer signals only when changing to red state (from Minor version 1.2) 4: Buzzer signals permanently if red state remains (from Minor Version 1.2)	buzz	0	4	1		1111

SENTIFACE: TAP GROUP 0x03 (optional)								
Property	Property ID	Description	Key (NFC/BLE)	Min	Max	Default	Unit	Module Key
ACTIVATE TAP	0x00	Activates the double-tap function to wake up the sensor: 0: double-tap off 1: double tap on	tapen	0	1	1		1111
TAP INTERMEDIATE TIME	0x01	The maximum time that may elapse between taps for a measurement to be triggered and the tap to be successfully registered.	tapdelt	100	2000	800	sec	1111
TAP QUANTITY	0x02	Specifies how often you have to tap to trigger a measurement.	tapcnt	2	4	2		1111
TAP PRESSURE RESSISTANCE	0x03	Impact resistance required to be registered as typing.	tapstr	200	2000	400	mg	1111
TAP COOLDOWN	0x04	Time period in which another measurement cannot be triggered after a measurement has been triggered.	tapcool	10	300	30	sec	1111

SENTIFACE: LED GROUP 0x04 (CO_2, SCW, TH)								
Property	Property ID	Description	Key (NFC/BLE)	Min	Max	Default	Unit	Module Key
LED SETTING	0x00	Defines the behavior of the LEDs: 0: All LEDs off 1: All LEDs on	leds	0	1	1		1111

SENTIFACE: ALARM DATA SOURCE TEMPERATURE AND HUMIDITY ALARM GROUP 0x05 (CO_2, SCW, TH)								
Property	Property ID	Description	Key (NFC/BLE)	Min	Max	Default	Unit	Module Key
ALARM DATA SOURCE	0x00	Source on which the alarm is triggered, e.g. CO_2, temperature or relative humidity: 0: CO_2 sensor (Febris CO_2 only) 1: Rel. humidity sensor 2: Surface temperature sensor (Febris SCW only) 3:	ads	0	2	Febris CO_2 : 0 Febris TH: 1 Febris SCW: 2		1111
DELTA THRESHOLD REL. HUMIDITY	0x01	Specifies by how much the relative humidity must change in absolute terms compared to the last transmission for an ALARM transmission to be triggered. This transmission is carried out independently of the normal transmission interval.	hdt	5	100	20	%RH	1111
YELLOW THRESHOLD REL. HUMMIDITY	0x02	Indicates the relative humidity threshold that must be exceeded for the sensor to change to the yellow state (yellow LED lights up).	hyt	5	100	20	%RH	1111
RED THRESHOLD REL. HUMIDITY	0x03	Indicates the relative humidity threshold that must be exceeded for the sensor to change to the red state (red LED lights up).	hrt	10	100	80	%RH	1111
LEVEL HYSTERISIS HUMIDITY	0x04	Determines the absolute hysteresis for status changes. If the relative humidity falls below a threshold value minus hysteresis, the system changes from a higher to a lower alarm status.	hlh	0	300	5	%RH	1111

SENTIFACE: ALARM DATA SOURCE AND HUMIDITY ALARM GROUP 0x05 (CO_2, SCW, TH)								
Property	Property ID	Description	Key (NFC/BLE)	Min	Max	Default	Unit	Module Key
DELTA THRESHOLD TEMPERATURE	0x05	Specifies by how much the temperature must change in absolute terms compared to the last transmission for an ALARM transmission to be triggered. This transmission is carried out independently of the normal transmission interval.	tdt				°C	1111
YELLOW THRESHOLD TEMPERATURE	0x06	Indicates the temperature threshold that must be exceeded for the sensor to change to the yellow state (yellow LED lights up).	tyt				°C	1111
RED THRESHOLD TEMPERATURE	0x07	Indicates the temperature threshold that must be exceeded for the sensor to change to the red state (red LED lights up).	trt				°C	1111
LEVEL HYSTERISIS TEMPERATURE	0x08	Determines the absolute hysteresis for status changes. If the temperature falls below a threshold value minus hysteresis, the system changes from a higher to a lower alarm status.	tlh				°C	1111

*Temperature alarms are still under development

SENTIFACE: SURFACE TEMPERATURE GROUP 0x06 (Febris SCW only)								
Property	Property ID	Description	Key (NFC/BLE)	Min	Max	Default	Unit	Module Key
TEMPERATURE OFFSET	0x00	Function for correcting the measured surface temperature by up to ± 5°C if necessary. Only integer values possible.	tto	-5	5	0	°C	1111
EMISSIVITY	0x01	Emissivity, measure of how strongly the surface material exchanges thermal radiation with its surroundings.	tte	0	100	95	%	1111

SENTICOM: CALIBRATION GROUP 0x07 (only Febris SCW, after consultation with manufacturer)								
Property	Property ID	Description	Key (NFC/BLE)	Min	Max	Default	Unit	Module Key
AUTO-CALIBRATION	0x00	Defines the behavior of the auto-calibration: 0: on 1: off	ace	0	1	0		111X
CALIBRATION PERIOD	0x01	Specifies the period in which an auto-calibration takes place. 336 hours means that the sensor performs an auto-calibration every 14 days.	aph	12	720	336	h	111X