

## TT19 Command list

NO.	Instruction	Format	Note
003	Set built-in temperature and humidity alarm function	*000000,003,A,B,C,D,X #	<p>A: High temperature threshold, unit: °C,[-200,1400],default: 100;            B: Low temperature threshold, unit: °C, [-200,1400],default: -40            C: High humidity threshold, unit: % ,[0,100],default: 100            D: Low humidity threshold, unit: %, [0,100],default: 0            X: Record interval after exceeding the limit,unit:min,[1,1440], default: 1, Not enabled</p> <p>Note:            When set to sub zero temperature, write '-' before the temperature;            2. The temperature threshold can support up to 0.1 degrees;            3. The humidity threshold can support up to 0.1%;            4. Only triggered once within a transmission cycle</p>
004	Set battery low voltage alarm function	*000000,004,X,Y#	<p>X: Low voltage threshold, [300,430] unit: 10mv, default: 350 ;            Y: Record temperature and humidity interval after low pressure, unit: min, [1,1440], default: 60, Not enabled</p>
005	Set working model	*000000,005,X#	<p>X=0, Turn off (default);            X=1, Turn on;</p>
006	Set RTC time	*000000,006,year,mounth,day,hou r,minute,second#	<p>Set the device RTC time .            For example:            *000000,006,16,01,11,10,46,30#            Year: 16            Month: 1            Day: 11</p>

			Hour: 10 Minute: 46 Second: 3 <b>Note: Must be set to UTC time</b>
008	Extend setting	*000000,008,ABCDEFGH#	A=0, B=0, disable ACK function; B=1, enable ACK function, (default); C=0, disable button shutdown function; C=1, enable button shutdown function, default; D=0; E=0, temperature in degrees Celsius, default; E=1, temperature in degrees Fahrenheit; F=0; G=0; <b>Note: Option E temperature units are in LCD and PDF reports, and sent to the backend in degrees Celsius.</b>
014	Set DNS	*000000,014,X,DNS1,DNS2#	X=0, disable DNS function (default), X=1, enable DNS function, DNS: Domain Server; xxx.xxx.xxx.xxx
015	Set IP Address & port number	*000000,015,0,IP,PORT #	X=0 Using IP to connect the server X=1 Using DN to connect the server IP : xxx.xxx.xxx.xxx DN: (domain name) www.xxx.com PORT : [1,65535] <b>default IP port:</b> <b>g.cloud.tzonedigital.cn,18801</b>
018	Set the data reporting intervals in turn on or flight mode	*000000,018,X #	X: [5,1440] The data reporting interval (Unit: min,default: 60)
019	TCP/UDP selection	*000000,019,X#	X=0, Use the UDP mode X=1, Use the TCP mode
022	Set up light sensing alarm	*000000,022,A,B#	A: Light sensitivity high threshold,[0,64000],unit: lux,

			<p>default: 64000</p> <p>B: Light sensitivity low threshold,[0,64000],unit: lux, default: 0</p> <p>Note: Only triggered once within a transmission cycle</p>
023	Set vibration alarm	*000000,023,X#	<p>X: Vibration threshold,[0,16],unit: g,default: 0,Accurate to mg ;</p> <p>Note: Only triggered once within a transmission cycle</p>
040	Query instruction settings	*000000,040,X #	X: Instructions to query
050	Built in temperature and humidity calibration	*000000,050,X ,A,B#	<p>X: 0- Disable this function, default; 1-enable</p> <p>A: Temperature calibration value, B: Humidity calibration value, +: Positive correction refers to the addition of the collected value and the calibration value; -:Negative correction means subtracting the calibration value from the collected value.</p>
052	External single temperature sensor calibration	*000000,052,X ,A#	<p>X: 0-disable this function(default); 1-enable</p> <p>A: Temperature calibration value, +: Positive correction means adding the collected value to the calibration value ; -:Negative correction refers to subtracting the calibration value from the collected value</p> <p>Note: Only supports TT19EX</p>
054	Set external single temperature sensor alarm function	*000000,054,A,B,X #	<p>A: High temperature threshold, unit: °C, [-200,1400],default: 1400 ;</p> <p>B: Low temperature threshold, unit: °C, [-200,1400],default: -200</p> <p>Note: Only TT19EX is supported 1.When set to sub zero temperature, write '-' before the temperature;</p>

			<p>2. The temperature threshold can support up to 0.1 degrees;</p> <p>3. Only triggered once within a transmission cycle</p>
060	Set flight mode	*000000,060,X,Y,Z#	<p>X=0, Disable this function;  X=1, Enable this function  Y: into flight mode time,  Unit: min, [0,65535];  The device will turn to flight mode after this setting time ;</p> <p>Z: Out of flight mode time,  Unit: min, [0,65535];  The device will turn out from flight mode after this setting time</p> <p>Note: When the device turn to flight mode, it will unable the network connection, but still recording the temperature, humidity and light information</p>
070	Set up multi packet sending	*000000,070,X #	<p>X: Number of packages sent on,[1,1440], default: 1</p> <p>Note: The machine is packaged at the interval set at 018, and once the packaging reaches the 070 setting, it will start sending once.  This instruction can effectively reduce machine power consumption</p>
201	Set GPS on time	*000000,201,X#	<p>X: [0,300],unit: s</p> <p>0 - disable the GPS function ;  default: 90</p>
500	Clear data flash	*000000,500#	Clear history in the flash memory
990	Initialization	*000000,990,099#	It will set all parameter to factory default value.
991	Reboot	*000000,991#	It will reboot the machine by this command.