LR140 Uplink Frame Format

1   The format of uplink data frame of LR140 is following:

Field	Packet head	Packet head	Time	Tag Name of the Sensor	Modbus ID	Start Register Address	Register Num.	Register Value	Packet tail
Size	2bytes	2bytes	7bytes	8bytes	1byte	2bytes	1byte	Register Num.*2 Bytes	1byte

1)   Packet head：0x0485.

2)   Time：Sending time。For example：14 02 14 04 0f 3b 01 ，it means 15:59:01 on Thursday, February 20, 20(year).

3)   Tag Name of the Sensor：it is configured on LR140 via Utility. It is represented by ASCII code.For example：4553313034000000,it means ES104.

4)   Modbus ID：the modbus ID of the sensor.

5)   Start Register Address：it is configured on LR140 via Utility.For example：f501,it means the register address is 501(DEC) or 01F5(Hex).

6)   Register Num.:Number of registers LR140 reads at a time.

7)   Register Value:Register value of the sensor.

8)   Packet tail:0xaa.

2　The format of LR140 uplink heartbeat frame is following：

Field	Packet head	Packet head	Time	Payload
Size	2bytes	2bytes	7bytes	6bytes

1) Packet head：0x0485.

2) Time：Sending time。For example：20 02 20 04 15 59 01 ，it means 15:59:01 on Thursday, February 20, 20

3) Payload：Heartbeat state，It is represented by ASCII code.For example：6f 6e 6c 69 6e 65，it means "online".