https://wszystkodobasenow.pl/fairland

I. Register types

Register type		Properties	Read command	Write command	Max. number of consecutive readings
0x	Output (coil) bit registers	Read & write	01	05	48
1x	Input (contact) bit registers	Read-only	02	-	48
3x	Input register	Read-only	04	-	8
4x	Holding Register	Read & write	03	06	8

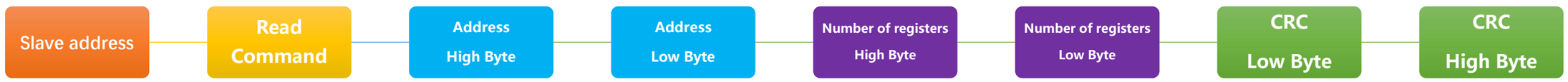
II. Types of commands

a) Read and Write

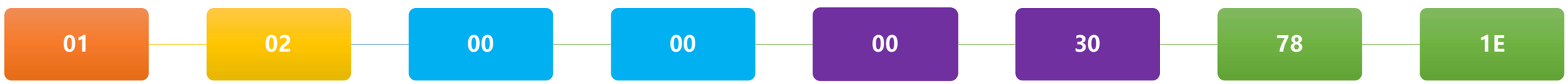
b) Read response and Write response

III. Command Structure Explanation

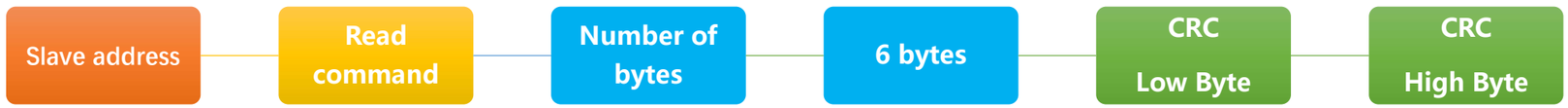
a) Explanation of Master Read command



Sample 1： Assuming the Slave address is 1, use the read command 02 to read the heat pump on/off status with the following instruction:



b) Explanation of Slave's response to Read command

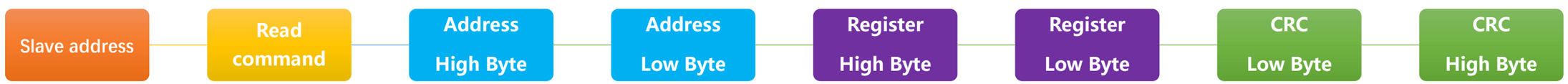


Sample 2：Assuming the Slave address is 1 and the Read command is 01 02 00 30 00 30 78 11, the reply is: 01 02 06 00 00 00 00 00 01 21 79

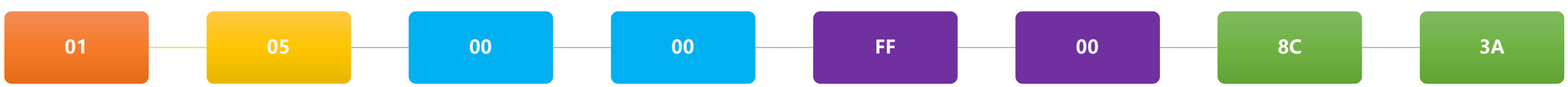


Note: Each bit of the 4th byte represents E0~E7, the 5th byte represents E8~Ed, the 6th byte represents P0~P7, the 7th byte represents P8~PA, the 8th byte represents F0~F7, and the 9th byte represents F8~Fb, with each bit 0 representing no failure, and 1 representing failure.

c) Explanation of Master Read command



Sample 3：Assuming the slave address is 1, use the write command 05 to turn on the heat pump with the following command:



Note: Write single coil, bit operation, only one can be written, write 0xff00 means set the coil state to ON, write 0x0000 means set the coil state to OFF, so here is FF00.

d) Explanation of Slave's response to Read command

Exactly the same structure as the write command.