DM56A04 DM36B06 RS485 digital tube display module manual

Function description：

Working voltage: DC 5~28V

Working current: 4.3~42mA (related to the brightness of the digital tube)

MODBUS RTU protocol, 03 read command, 06 or 16 write command.

Device address: 1~247, default 1, by modifying the 485 address, up to 247 modules can be used in cascade (more than 32, please use RS485 repeater)

Digital tube color: red

Digital tube tube digits: 6 digits 0.36 inches / 4 digits 0.56 inches

Communication interface: RS485

Function: It can display numbers, ASCII characters, letters, floating-point numbers, negative numbers, etc., and the brightness can be adjusted; it supports electronic label function, and the initial display content can be set after power-on;

Supported baud rates: 1200 2400 4800 9600 (default) 19200 38400 57600 115200

Parity: No parity Even parity   Odd parity

Size : 60.2 X 28.7 X 21.7MM

Weight: 6 digits 0.36 inches 16.5 grams, 4 digits 0.56 inches 20grams

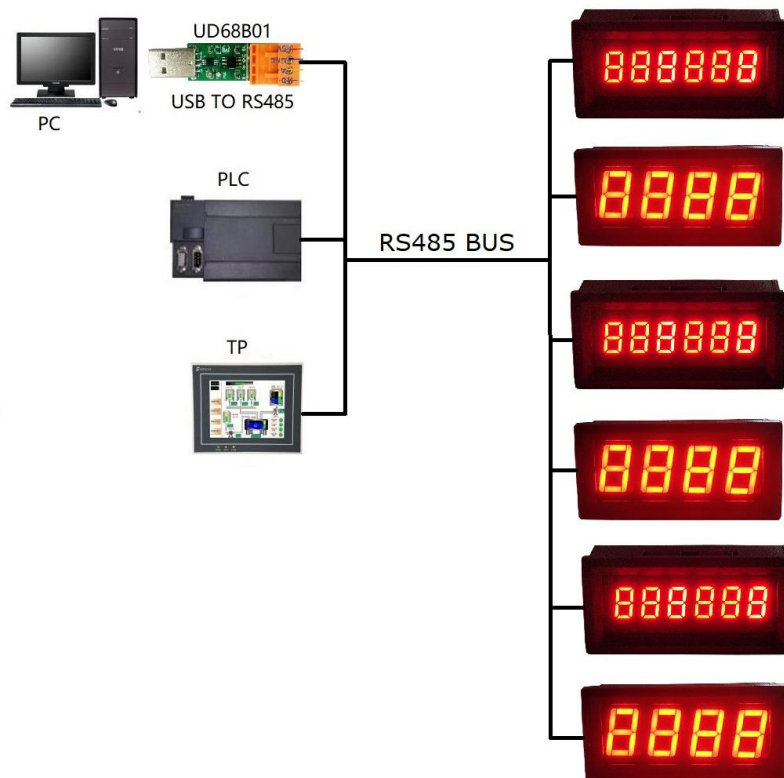 Note: The module will restore factory settings and reboot automatically after 5 seconds of shorting the RES port.

For protocol details, please refer to the "DM56A04 DM36B06 Instruction manual"

Wiring diagram：

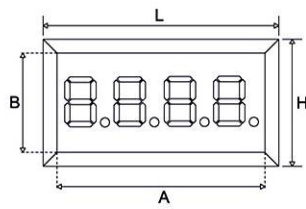## 6-digit 0.36-inch digital tube

DC 5-28V

RS485 A+
B-

4-digit 0.56-inch digital tube

DC 5-28V

RS485 A+
B-

PC

UD68B01
USB TO RS485

PLC

TP

RS485 BUS

Shell Dimensions:

L	H	A	B	UNIT
60.2	28.7	49.1	18.0	mm

L1	H1	UNIT
57.9	26.0	mm
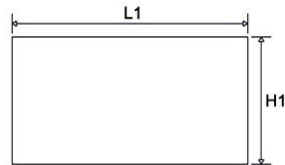
L2	H2	A2	B2	UNIT
57.6	25.7	54.0	22.0	mm
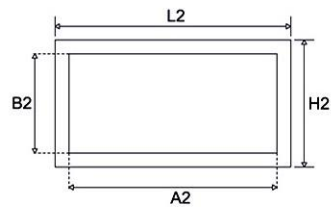
Characters that can be displayed:

(20H)	!(21H)	" (22H)	#(23H)	'(27H)	,(2cH)	-(2dH)	.(2eH)	/(2fH)	=(3dH)
?(3fH)	[(5bH)	\(5cH)	](5dH)	_(5fH)	`(60H)	{(7bH)	|(7cH)	}(7dH)	~(7eH)
0(30H)	1(31H)	2 (32H)	3(33H)	4(34H)	5(35H)	6(36H)	7(37H)	8(38H)	9(39H)
A(41H)	B(42H)	C(43H)	D(44H)	E(45H)	F(46H)	G(47H)	H(48H)	I(49H)	J(4aH)
K(4bH)	L(4cH)	M(4dH)	N(4eH)	O(4fH)	P50H)	Q(51H)	R(52H)	S(53H)	T(54H)
U(55H)	W(57H)	Y(59H)	Z(5aH)	a(61H)	b(62H)	c(63H)	d(64H)	e(65H)	f(66H)
g(67H)	h(68H)	i(69H)	j(6aH)	k(6bH)	l(6cH)	m(6d)	n(6eH)	o(6fH)	p(70H)
q(71H)	r(72H)	s(73H)	t(74H)	u(75H)	w(78H)	y(79H)	z(7aH)		