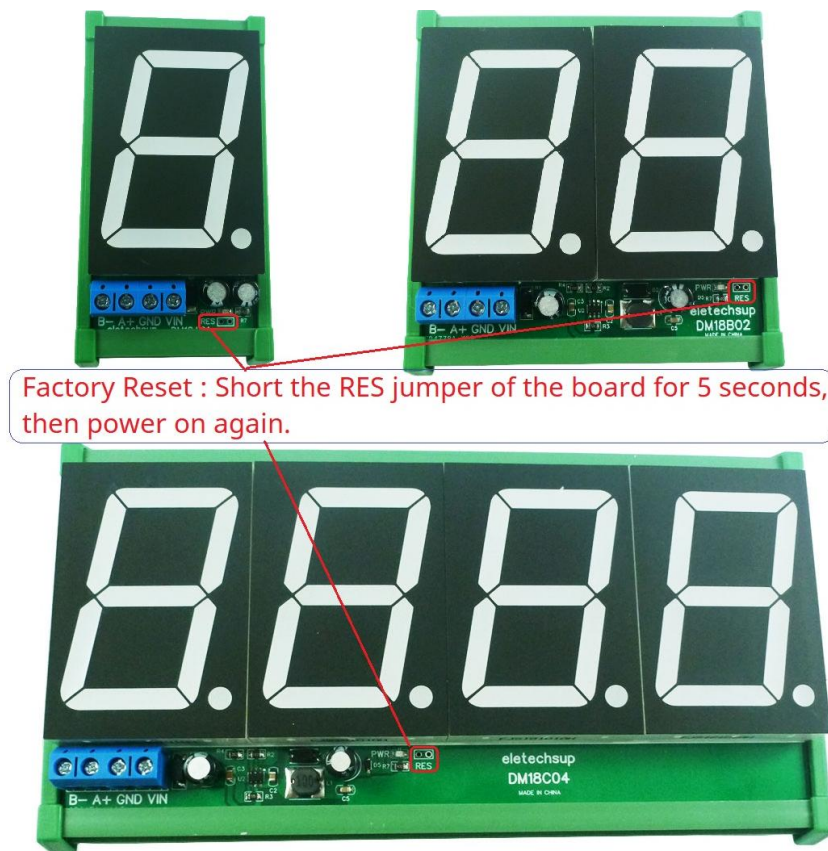


# DM18A01 DM18B02 DM18C04 1.8-inch RS485 display module

## Manual



### Function description:

Power supply voltage: DC 6~28V

Working current (12V): 1 Bit 10~48mA, 2 Bit 10~82mA, 4 Bit 10~150mA (the working current is 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 digits: 1/2/4 Bit 1.8 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 (default) Even Parity, Odd Parity

Dimensions (only Board ): 38 X 72 X 12MM (1 Bit), 76 X 72 X 12MM (2 Bit), 152 X 72 X 12MM (4 Bit)

Dimensions (with DIN shell): 44 X 86 X 12MM (1 Bit), 82 X 86 X 12MM (2 Bit), 158 X 86 X 12MM

(4 Bit)

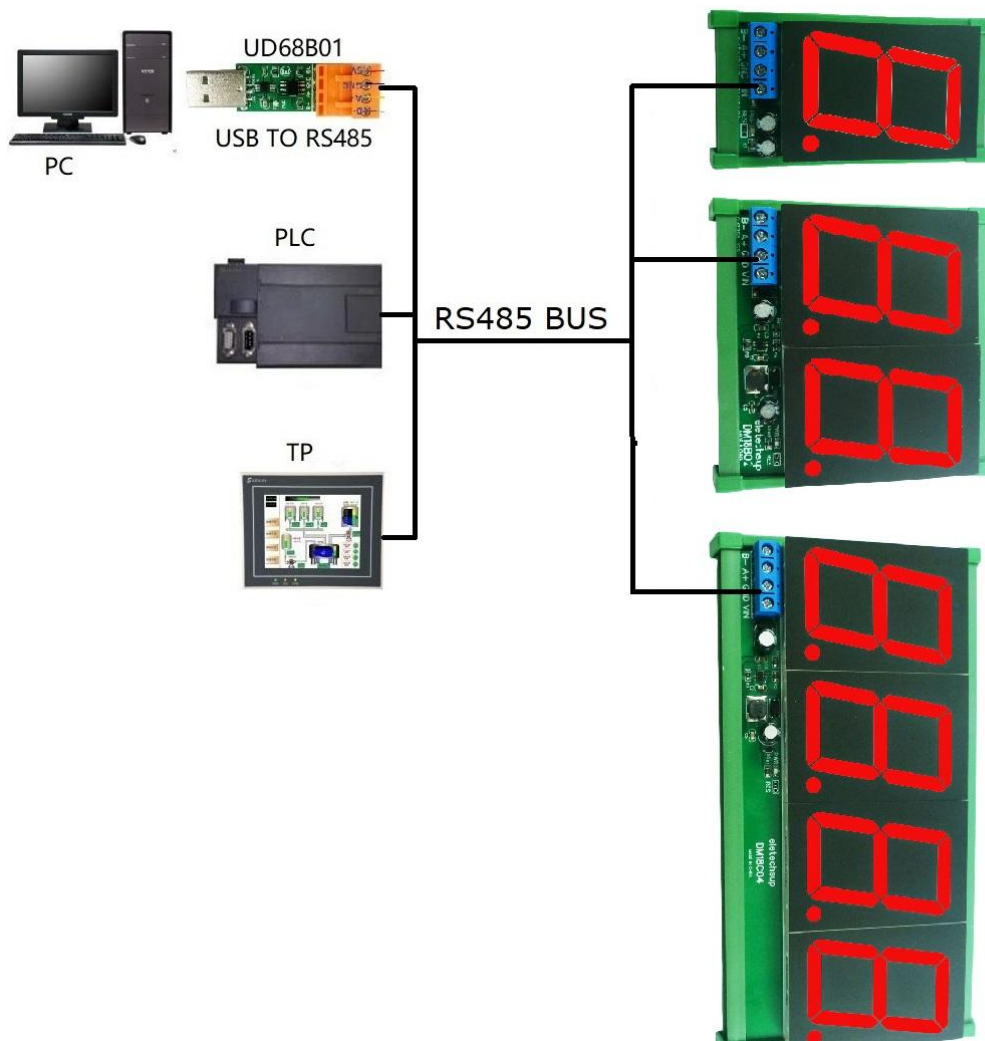
Weight (board only): 34 grams (1 Bit), 63 grams (2 Bit), 119 grams (4 Bit)

Weight (with DIN housing): 75g (1 Bit), 128g (2 Bit), 231g (4 Bit)

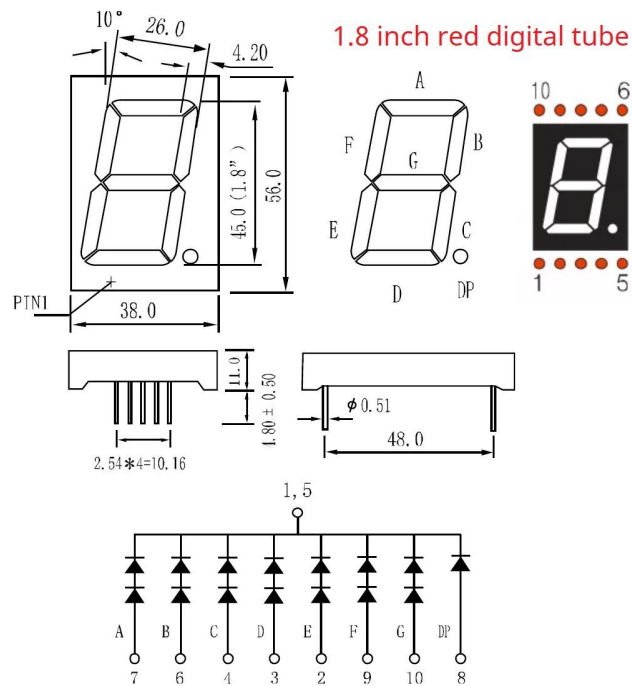
Note: The module will restore factory settings and reboot automatically after 5 seconds of shorting the RES port.

For protocol details, please refer to the “DM18A01 DM18B02 DM18C04 MODBUS RTU Command”

### Wiring diagram:



### Digital Tube Size:



- NOTES : 1. All dimensions are in millimeters. (mm)  
 2. Tolerance is  $\pm 0.25(0.010")$  unless otherwise specified.

### Characters that can be displayed:

	!	"	0	'	,	-	.	∟	=
(20H)	!(21H)	"(22H)	#(23H)	'(27H)	,(2cH)	-(2dH)	.(2eH)	/(2fH)	=(3dH)
?	[	]	_	'	{		}	~	
?(3fH)	[(5bH)	](5cH)	](5dH)	_(5fH)	'(60H)	{(7bH)	(7cH)	}(7dH)	~(7eH)
0	1	2	3	4	5	6	7	8	9
0(30H)	1(31H)	2(32H)	3(33H)	4(34H)	5(35H)	6(36H)	7(37H)	8(38H)	9(39H)
A	b	C	d	E	F	G	H	I	J
A(41H)	B(42H)	C(43H)	D(44H)	E(45H)	F(46H)	G(47H)	H(48H)	I(49H)	J(4aH)
∟	L	ā	ñ	o	P	Q	R	S	Γ
K(4bH)	L(4cH)	M(4dH)	N(4eH)	O(4fH)	P(50H)	Q(51H)	R(52H)	S(53H)	T(54H)
U	Y	∟	∟	a	b	c	d	e	f
U(55H)	W(57H)	Y(59H)	Z(5aH)	a(61H)	b(62H)	c(63H)	d(64H)	e(65H)	f(66H)
g	h	i	j	k	l	m	n	o	p
g(67H)	h(68H)	i(69H)	j(6aH)	k(6bH)	l(6cH)	m(6d)	n(6eH)	o(6fH)	p(70H)
q	r	s	t	u	w	y	z		
q(71H)	r(72H)	s(73H)	t(74H)	u(75H)	w(78H)	y(79H)	z(7aH)		