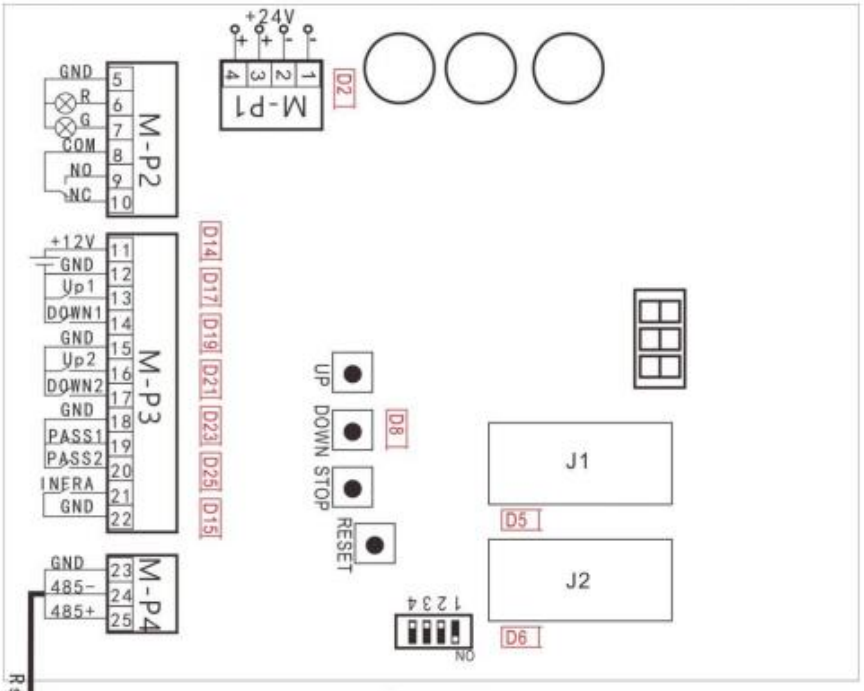
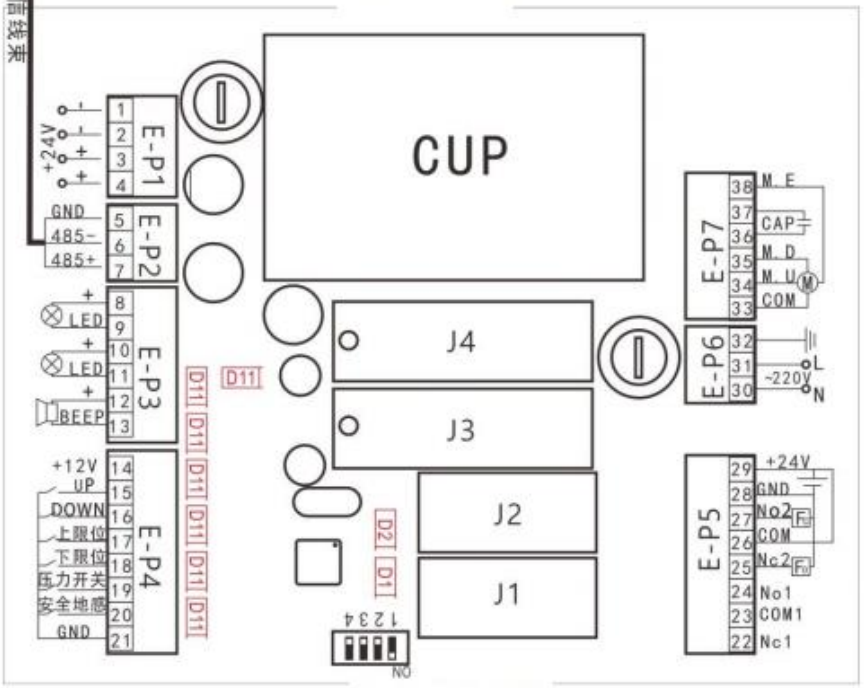
Manual de controlador para bolardo hidráulico

XB-220H06K-CON





main board



slave board

Terminal number	Port number	function	Description	
M-P1	1	VIN-	DC24V power input	Power input
	2	VIN-		
	3	VIN+		
	4	VIN+		
M-P2	5	GND	Ground	Notice: terminal for traffic light is closed. If needed, please inform before placing the order.
	6	TL.R	Red light	
	7	TL.G	Green light	
	8	OC.COM	Common	
	9	OC.NC	Normal open	
	10	OC.NO	Normal closed	
M-P3	11	+12 V	12V power output	Power for Control module
	12	GND		
	13	**UP.1**	**The 1st raise and fall**	Separated 2 groups of port input. Relay signal (push button, remote…) is available.
	14	**DOWN.1**		
	15	**GND**		
	16	**UP.2**	**The 2nd raise ad fall**	
	17	**DOWN.2**		
	18	GND	Loop detector	Direction of detector is not limited;
	19	PASS.1		
	20	PASS.2		
	21	INFRA	Infrared sensor	When it works, raising signal is not available, while falling signal is ok.
	22	GND		
M-P4	23	GND	485	Main board and slave board communication
	24	485 -		
	25	485+		
Slave board				
Terminal number	**Port number**	**function**	**Description**	
E-P1	1	VIN-	DC24V power output	24V
	2	VIN-		

	3	VIN+		
	4	VIN+		
E-P2	5	GND	485	RS485
	6	485 -		
	7	485+		
E-P3	8	+24 V	N/A	Led and buzzer
	9	LED1		
	10	+24 V	LED	
	11	LED2		
	12	+24 V	Buzzer	
	13	BEEP		
E-P4	14	+12 V	12V power output	External input port
	15	UP	Up	
	16	DOWN	Down	
	17	Up-Limit	Up limited	
	18	Down-Limit	Down limited	
	19	Press-Key	Press key	
	20	SAFE	Loop detector	
	21	GND	ground	
E-P5	22	NC1	Rely 1; Normal closed 1	
	23	COM1	Relay 1; Common1	Connect to 24V power
	24	NO1	relay1;normal open 1	
	25	NC2	Relay 2; normal closed 2	Solenoid valve (bollard falls when power failure); another port for GND
	26	COM2	Relay ; common 2	24V power supply
	27	NO2	Relay 2; normal open2	Solenoid valve (bollard keeps on the original status when power failure);

				another port for GND
	28	GND	24V power supply input	Terminal for solenoid valve
	29	+24 V		
E-P6	30	AC-L	AC220V /50 Hz	Terminal for 220V AC power supply
	31	AC-N		
	32	Earth		
E-P7	33	COM	Common for motor	Terminal for motor
	34	M.U	Motor co-rotation (up)	
	35	M.D	Motor reverse (down)	
	36	Cap 2	capacitance (18uF)	
	37	Cap 1		
	38	M.E	Ground for motor	

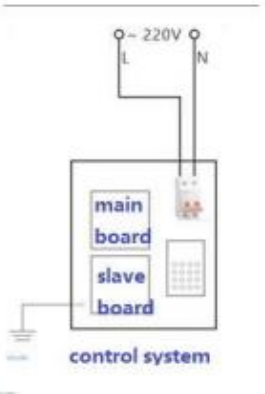
Note：

① Station number of slave board should be started from 0001 and keep in a serial number (it has set at our factory)

② The max power for main board/slave board about 15w.

3. Working Modes and Wire Connection

Manual mode (default)		Bollards raise and fall by remote/push button
Automatic mode		Work with loop detector; bollards raise automatically
Free mode		Raising is not available; falling is ok



1. AC 220V power input for control cabinet;
2. Push button wire connection (if need);
3. Bollard and slave board connection.

