



MTCW

V1.1

2024.5

B 5

400-666-2163 86 0755-86600500

(+86)0755-86600999

518067

www.megmeet.com

	.....	6
1.1	.....	6
1.2	.....	7
1.3	.....	9
1.4	.....	9
	.....	11
2.1	.....	11
2.2	.....	12
	.....	16
3.1Modbus	.....	16
3.2	.....	17
	.....	18
4.1	.....	18
4.2	.....	20
4.3	.....	20
4.4	.....	20
4.5	.....	21
4.6 PID	.....	23
4.7	.....	23
4.8 PID	.....	24
4.9	.....	24
4.10	.....	26
4.11	.....	28
4.12	.....	30
4.13	.....	31
4.14	.....	33
4.15 PV	.....	38
4.16 CT	.....	38
MTCW	.....	44

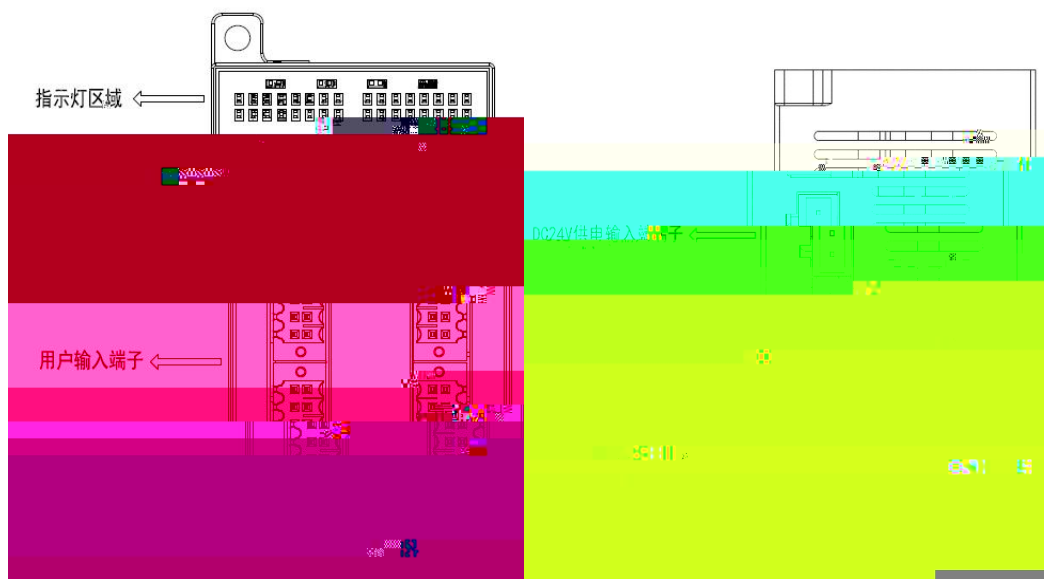
5.1	.....	44
5.2	.....	45
5.3	.....	46
5.4	.....	46
5.5	.....	47
5.6	.....	52
5.7	PID.....	53
	.....	54
6.1	.....	54
6.2	.....	54
	.....	55

MTCW

MTCW

MTCW

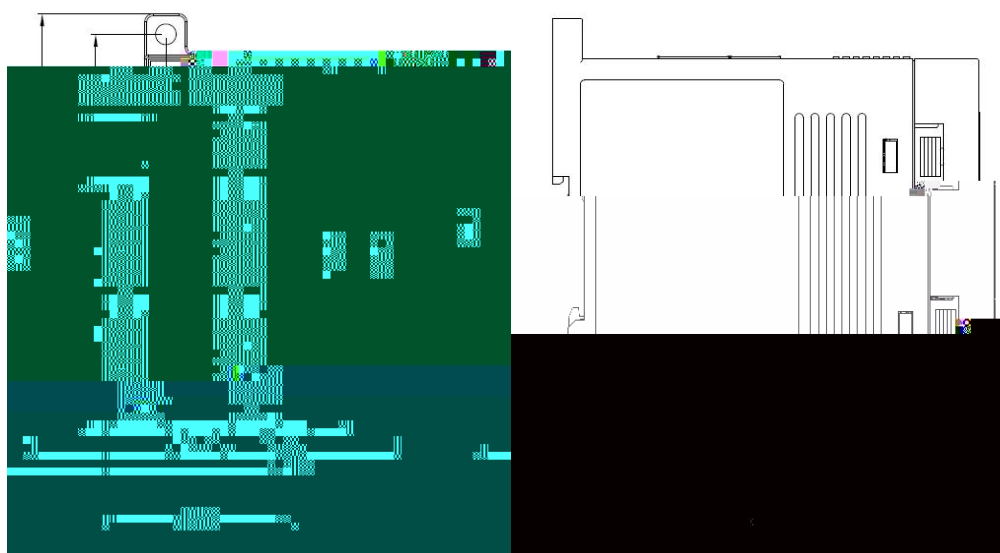
1-1



1-1 MTCW

MTCW

1-2



1-2 MTCW

mm

1-1 MTCW

24V+

24V

24V-

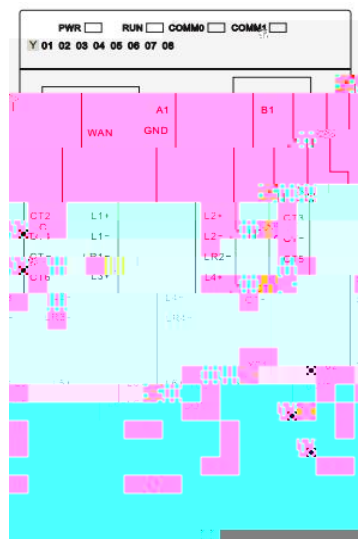
24V



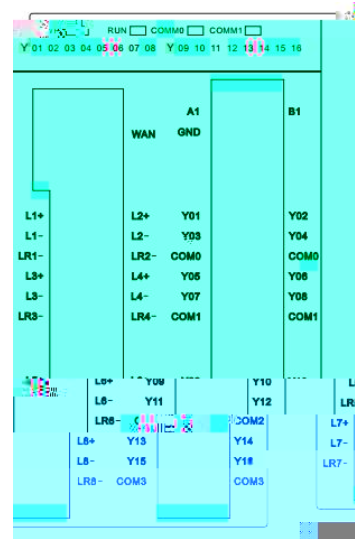
A0 B0

RS485 COM0

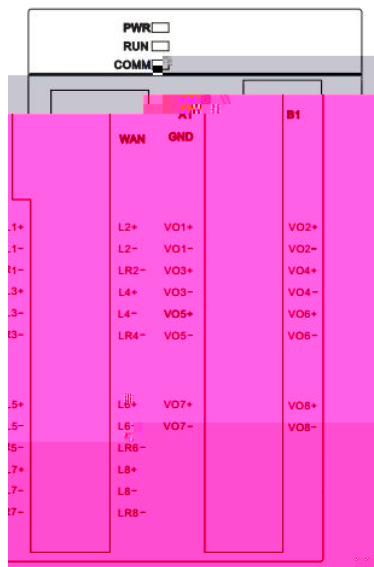
MTCW



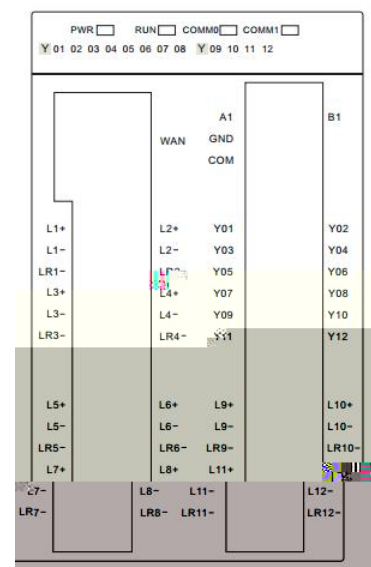
1-3 MTCW-08-CT



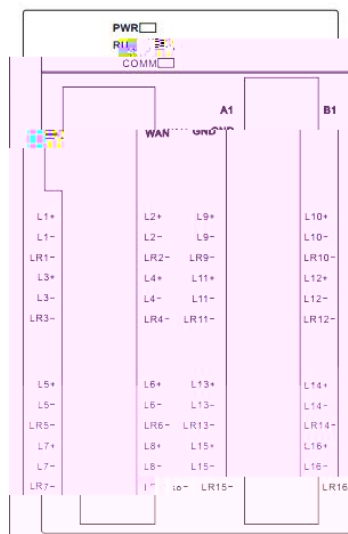
1-4 MTCW-08-NTT



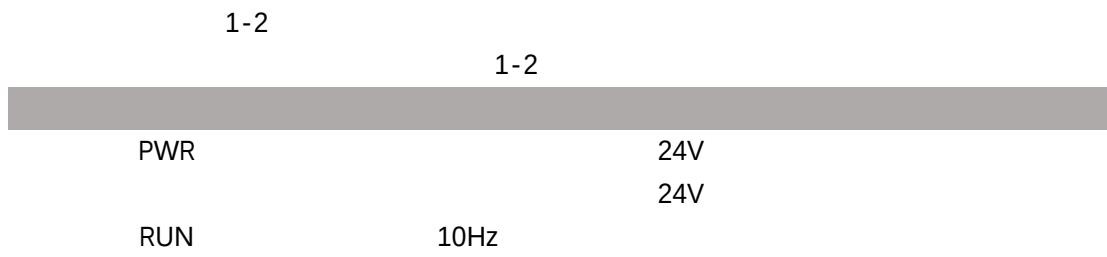
1-5 MTCW-08-NV



1-6 MTCW-12-NT



1-7 MTCW-16-NN



	N	100	1200	148	2192
	T	200	300	328	572
	R	0	1600	32	2912
	S	0	1600	32	2912
	B	400	1800	752	3272
	Pt100	150	600	238	1112
	JPt100	150	500	238	932
	Cu100	30	120	22	248
	Cu50	30	120	22	248
	Ni120	80.0	280.0	112.0	536.0
	NTC	0	150		
		± 0.3			
		± 0.5			
	NTC	± 0.5			



3.5mm	6pin	1
3.5mm	12pin	4
5.08mm	2pin	1
5.08mm	3pin	1

MTCW

1 DIN

2 DIN

3 DIN

4

5 DIN

2-3

MTCW

$\phi 4$

2	RS485	Modbus		MTCW	RS485	RS485
	Modbus					



MTCW

MTCW

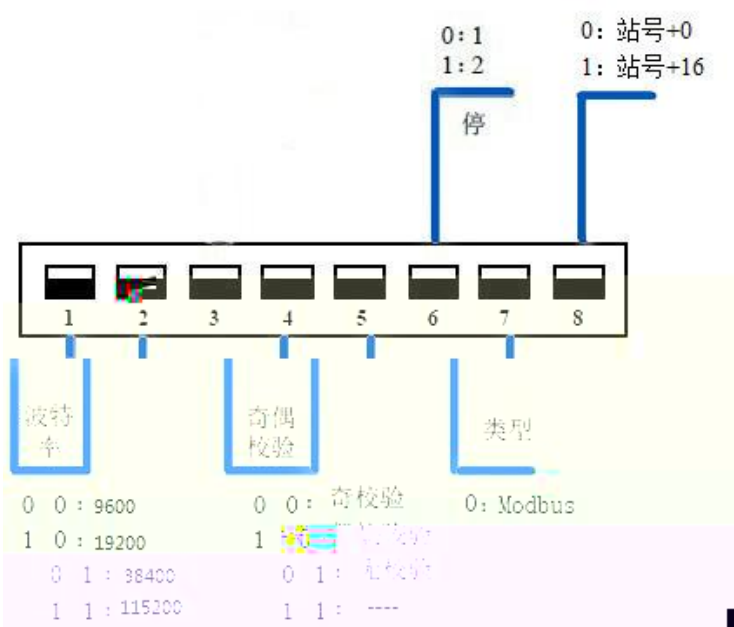
MTCW Modbus

RTU	9600	19200	38400	115200			
	3	1		50	BFM	RTU	
			3	1			-
03	BFM						
06	BFM						
16	BFM						

odbus

M

3-1



3-1

OM1

38400 1
MTCW-16-NN

MTCW-16-NN
MEVW IO

MEVW

IO

MTCW

3-2

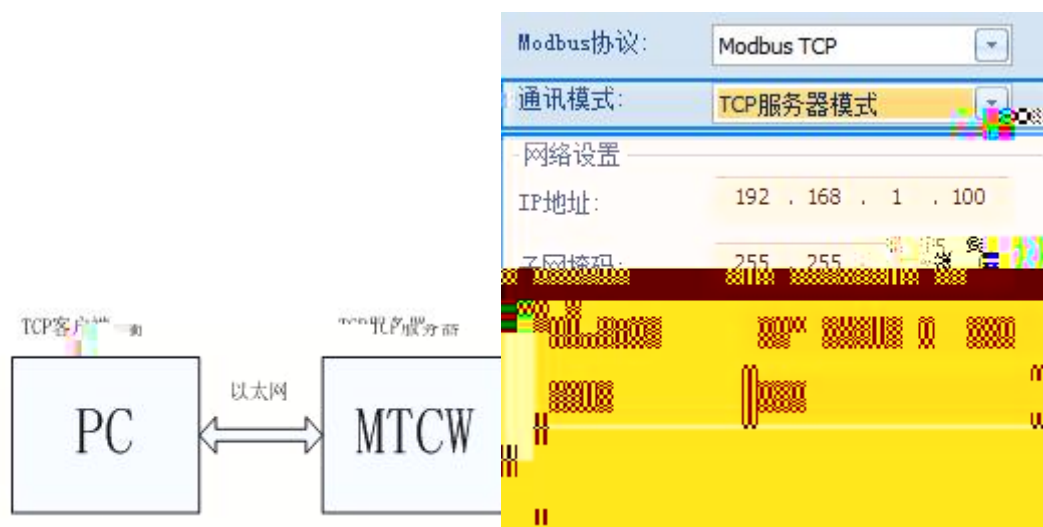


3-2

MTCW TCP

PC TCP

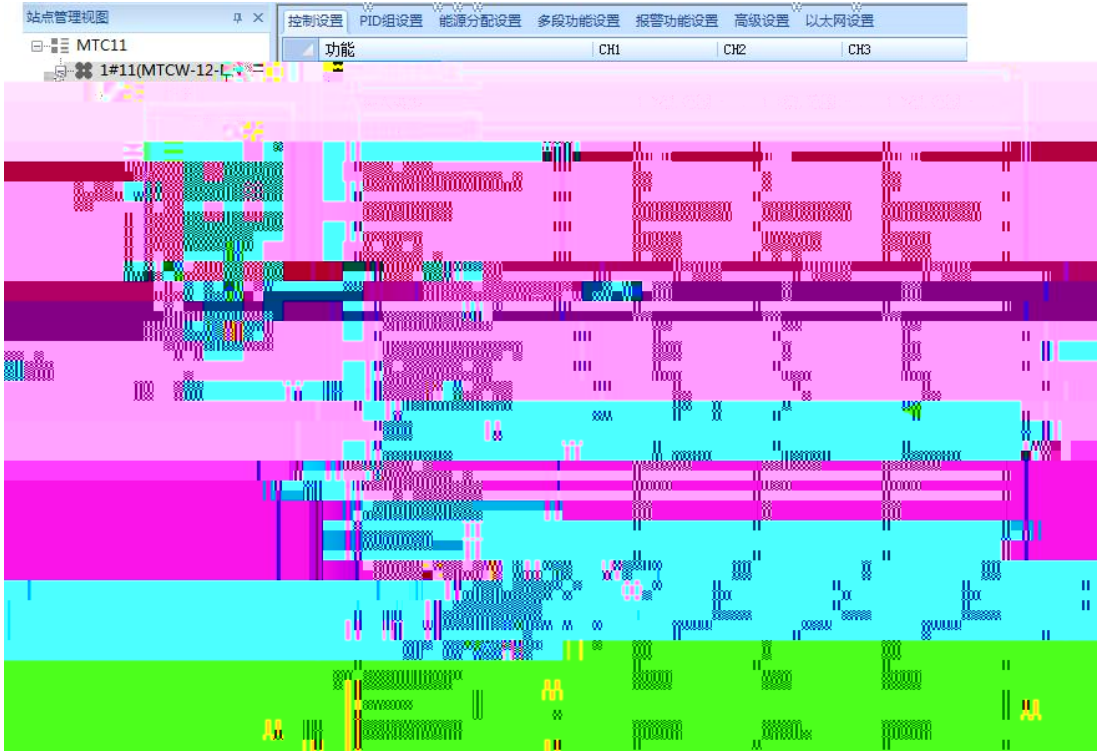
3-3



3-3 TCP

MTCV

MTC



4-1 MTCW

			0
->		->	
0		1	
		0	

5	5	K	148.0	2192.0
6	6	J	100.0	200.0
7	7	J	100.0	400.0
8	8	J	100.0	600.0
9	9	J	148.0	752.0
10	10	J	148.0	1112.0
11	11	E	100.0	200.0

201

48	48	T	-200.0	400.0
49	49	T	-328.0	752.0
Celsius		5/9×	Fahrenheit	32

4-2 NTC

1	1	NTC3960-10K	0.0~150.0	
2	1	NTC503AP2-50K	0.0~150.0	
NTC		MTCW-08N1-NTT	10K-NTC	
NTC3960-10K				



0.1

SW,

E1000

ON ON/OFF OFF ON/OFF

ON/OFF



|

F

PID		PID	
	PID	PID	0 1
			1 2
			2 3
			3 4

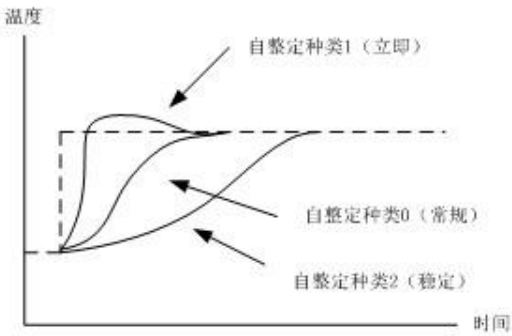
PID		PID	
PID	PID	1	30
		1	240
		1	60
		1	30
		1	240
		1	60
		2	30
		2	240
		2	60
		2	30
		2	

PID

SPI

	PID		0
			1
			2

PID

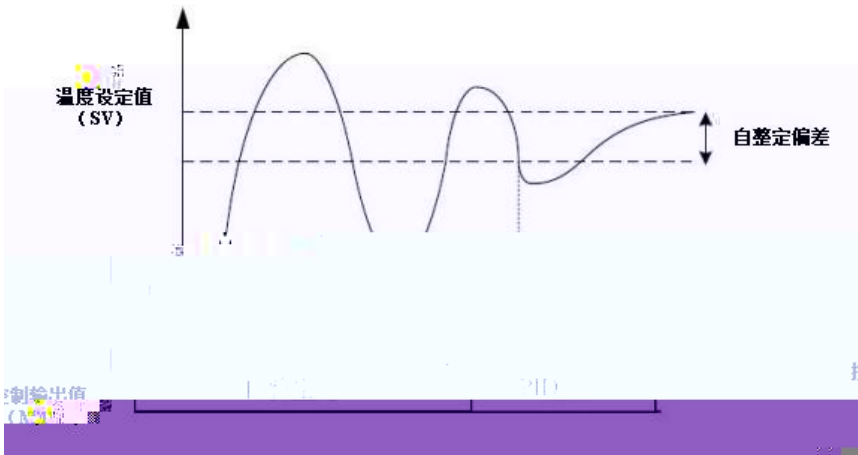


30.0

01000100.0300

MTCW70.0

			1.K
			1000
			2
			2 PID
			-300
		()	1



4-5



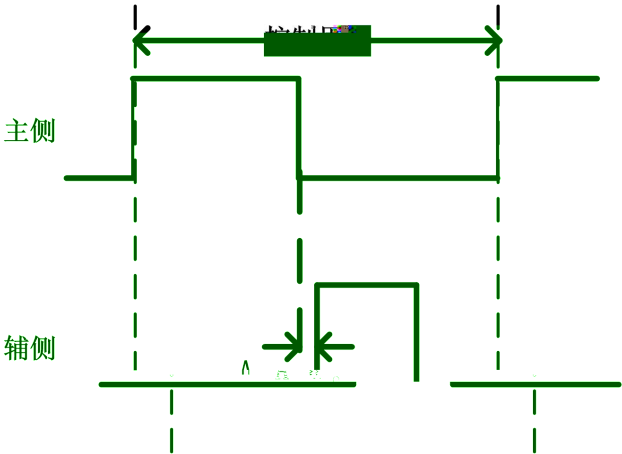
	1.	1.	1.	1.
	10	10	10	10
/				
	2	2	4	4

2341

/0

ONOFF

ON4-7A



4-7



0'8

MV

			10
			0
			0 MV1
			1 MV2
			
			14 MV15
			15 MV16

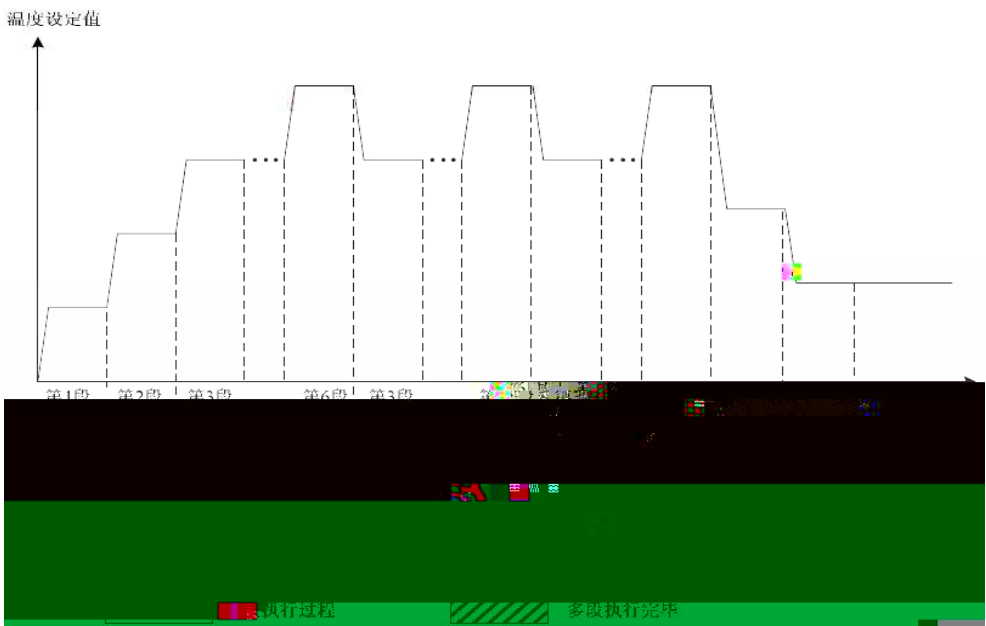
4-8



4-8



1~3 MV1 1.0 0.8 0.6 0.0 1.0 2.0 4



4-10

MTCW

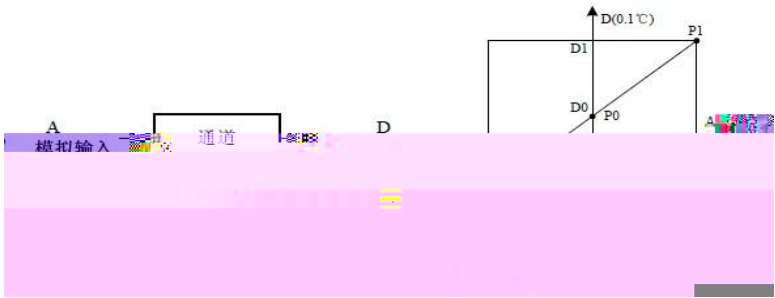
4-5

P0 A0 D0 P1 A1 D1

D1 A1

A D

D0 A0



4-11 MTCW

MTCW

0

12000

4-12

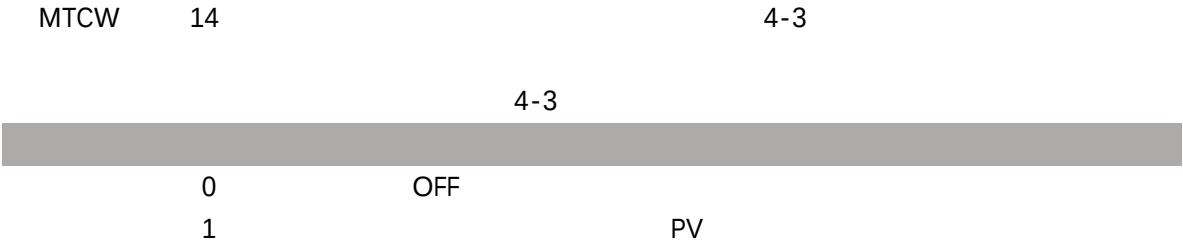
D0 D1

A0 A1

A0 0 A1

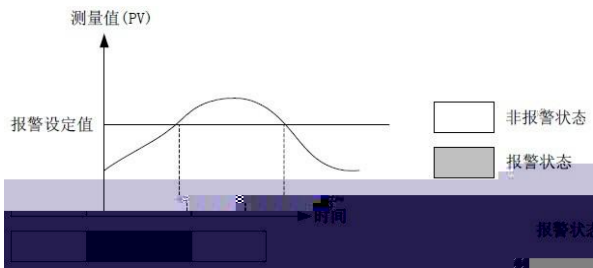
3 K

A0 0 A1



1

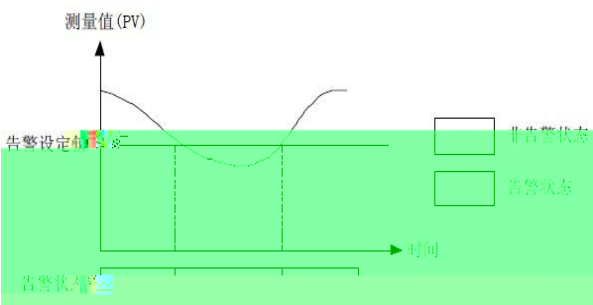
PV



4-14

2

PV

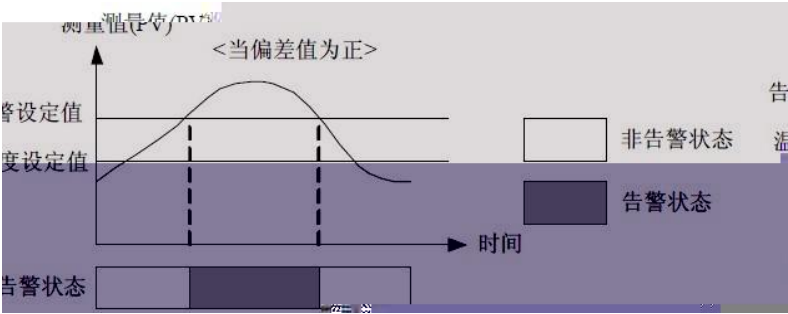


4-15

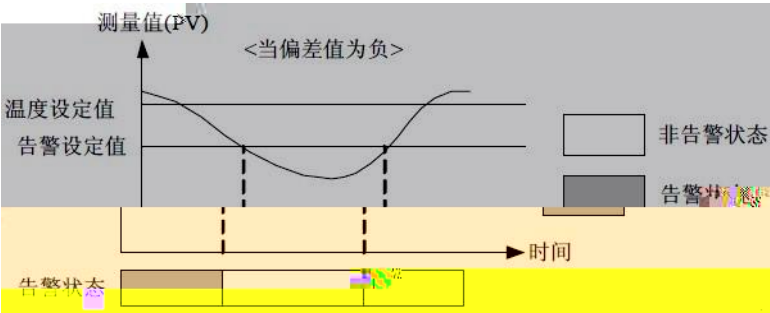
3

PV

SV

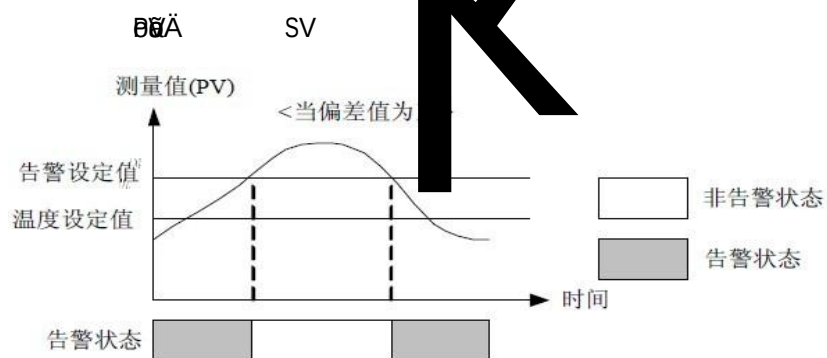


4-16

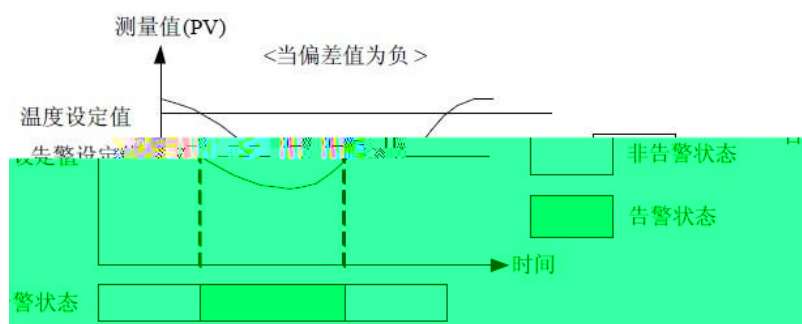


4-17

4



4-18



4-19

5

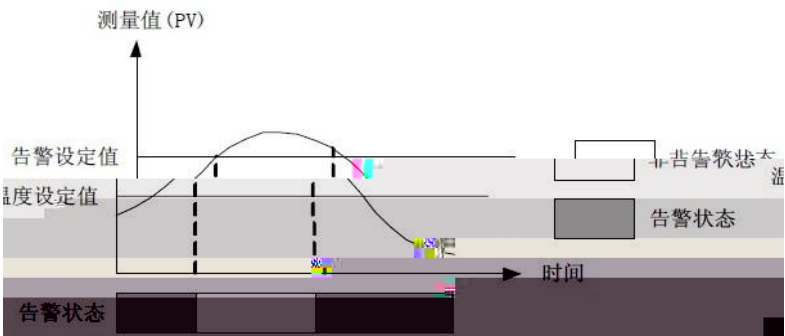
/

B И'! W00

p

1

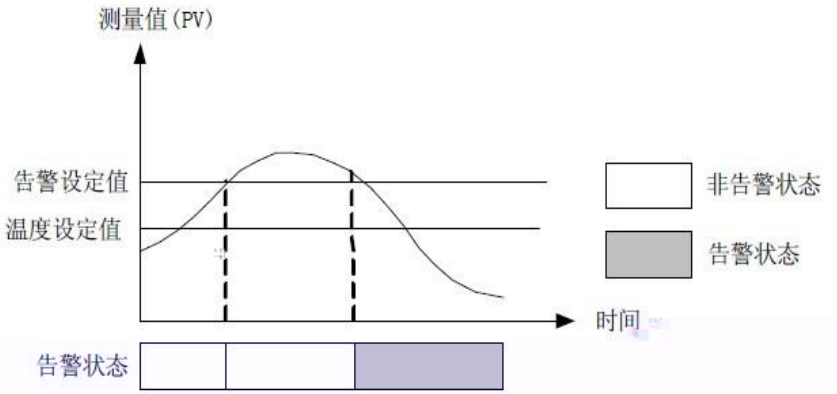
4-22



4-22

2

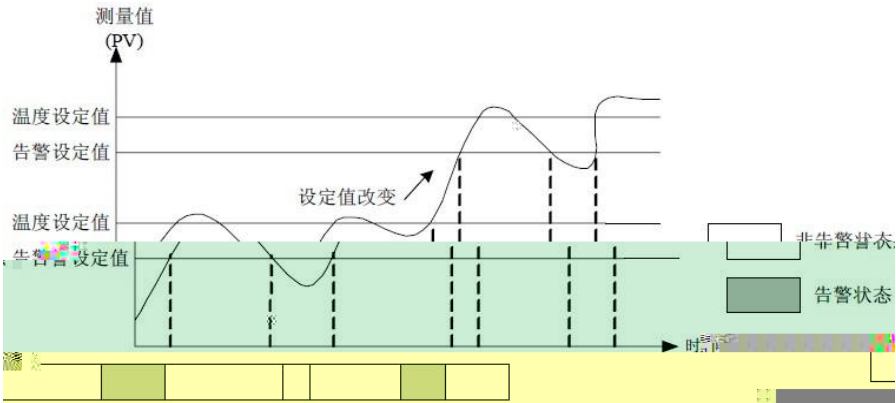
4-23



4-23

3

4-24



4-24

CTCT4-4CT

4-4

	100	500	1000	2000	4000
1	0.1~6.2A (0.0~6.8A)	0.2~31.2A (0.0~34.4A)	0.5~62.5A (0.0~68.8A)	1.0~125.0A (0.0~137.5A)	2.0~250.0A (0.0~275.0A)
2	0.1~3.1A (0.0~3.4A)	0.1~15.6A (0.0~17.2A)	0.25~31.3A (0.0~34.4A)	0.5~62.5A (0.0~68.8A)	1.0~125.0A (0.0~137.5A)
6	0.1~1.0A (0.0~1.1A)	0.1~5.2A (0.0~5.7A)	0.1~10.4A (0.0~11.5A)	0.2~20.8A (0.0~22.9A)	0.4~41.6A (0.0~45.8A)



4-5

	100	500	1000	2000	4000
1	7.7A (11A)	31A (44A)	77A (110A)	155A (220A)	311A (440A)
2	3.8A (5.5A)	15A (22A)	38A (55A)	77A (110A)	155A (220A)
6	1.2A (1.8A)	5.2A (7.3A)	12A (18A)	25A (36A)	51A (73A)

0

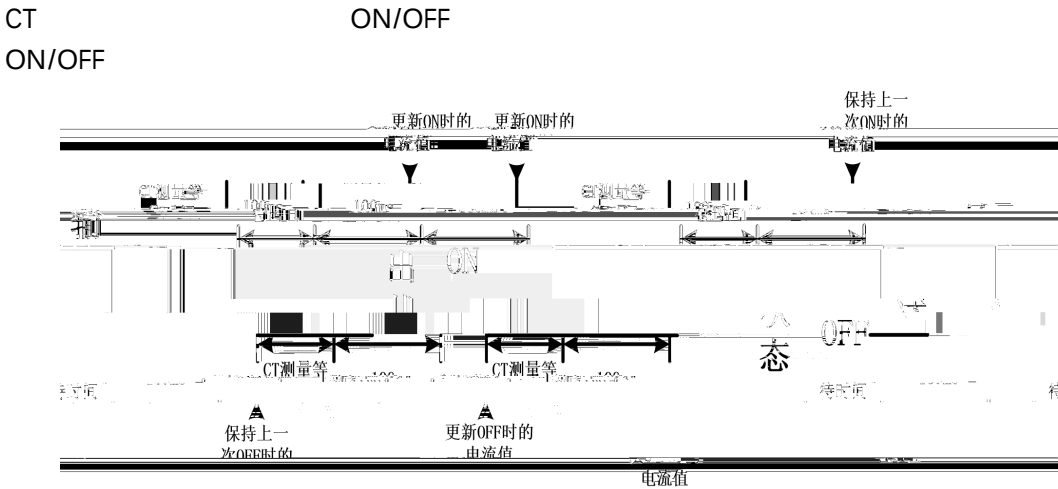
OFFON

1OFF-10ON

ONOFF

100msON/OFFON

OFF



4-29 CT

OUT	ON/OFF	100ms+CT
ON	/	OFF
100ms+CT		
ON	/	OFF
30		
30~300	ms	



CT CT

100

100~4000

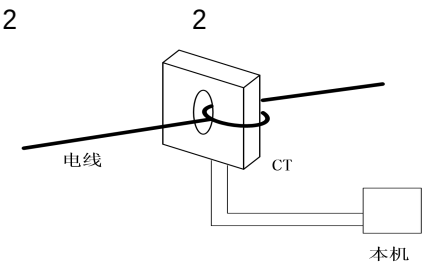


CT

1

1~6

4-30



4-30

ON

0

0~5500 100mA

CT0

0

0

=

+

2

ON

0

0~5500 100mA

CT0

0

0

=

+

2

OFF

0

0~5500 100mA

CT0

0

0

=

+

2

0

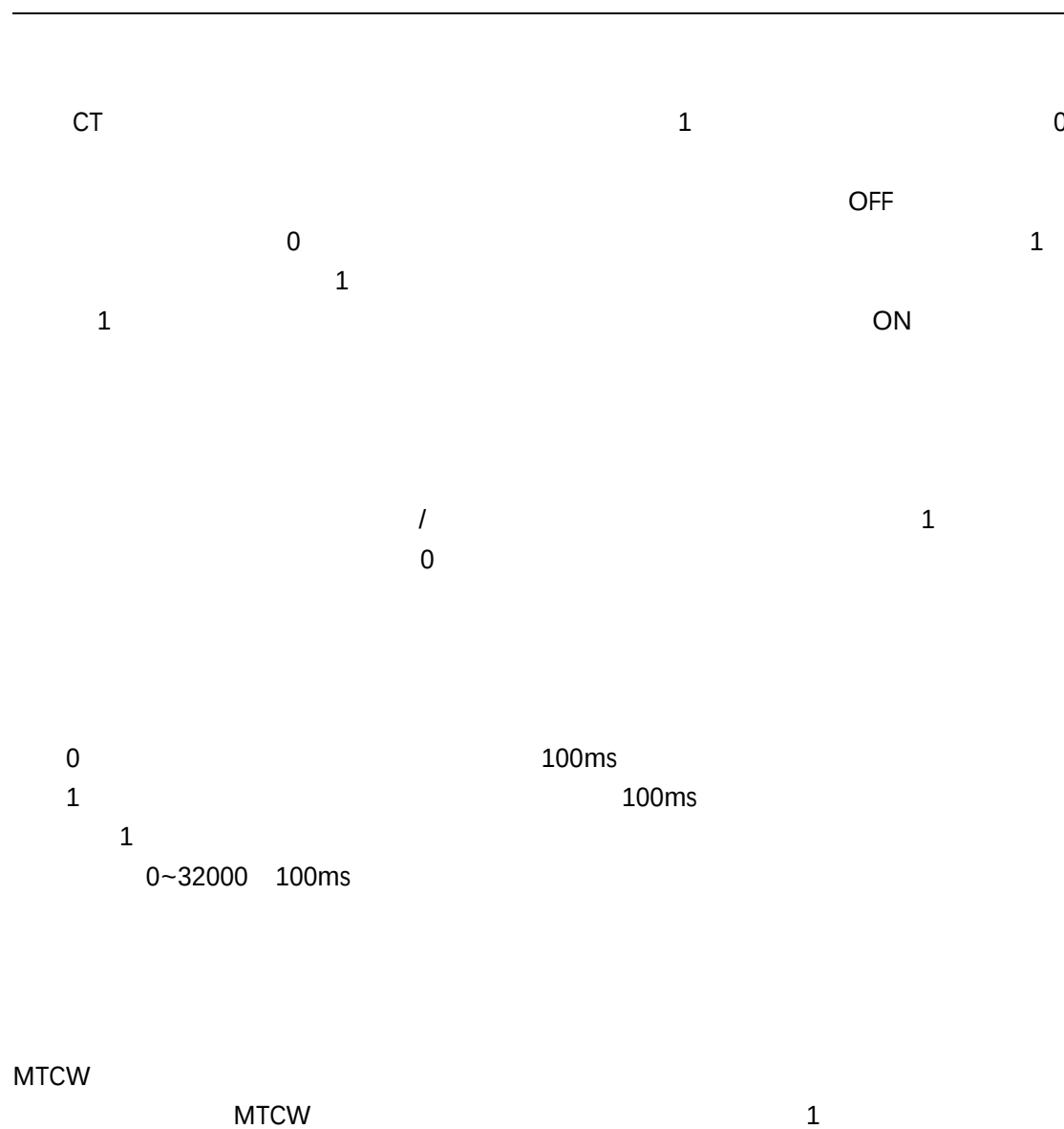
0~5500 100mA

0~1000 100ms
4-6

/
4-6 /

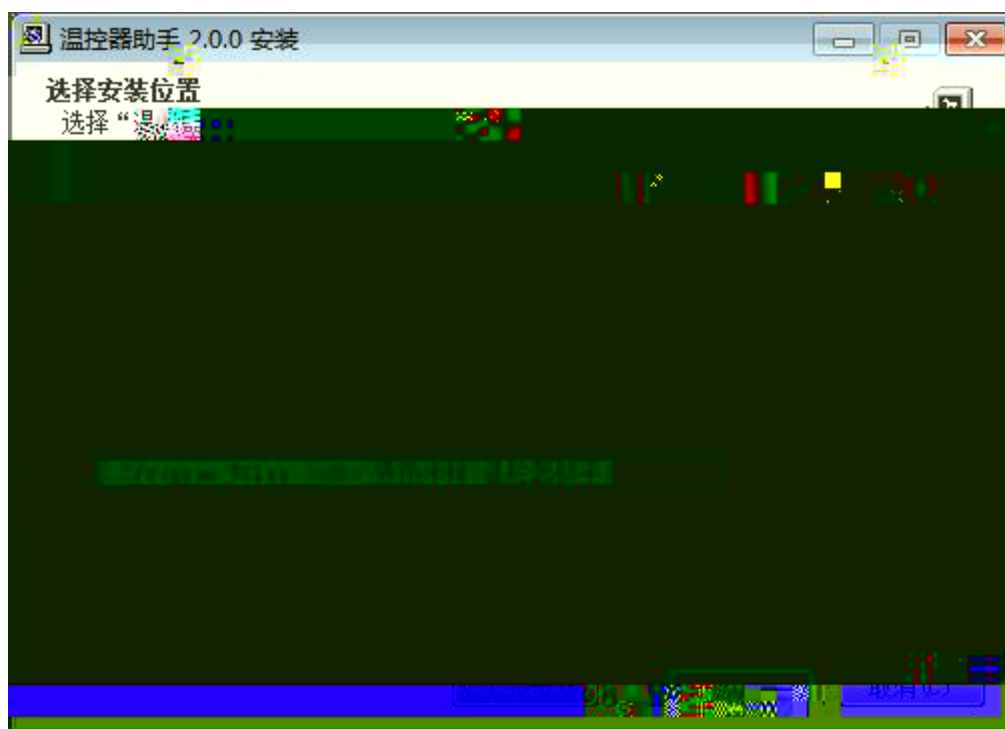
	ON ≤	ON +
	ON ≥	ON -
	OFF ≥	OFF -

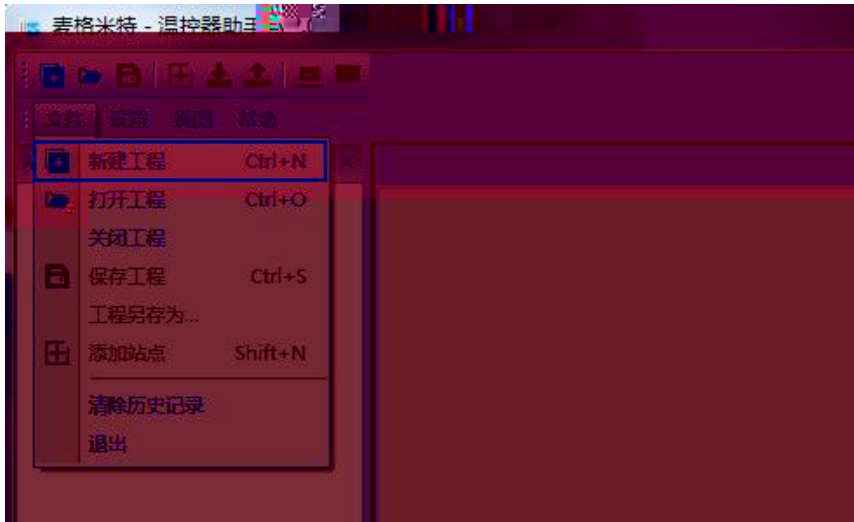
0 MS



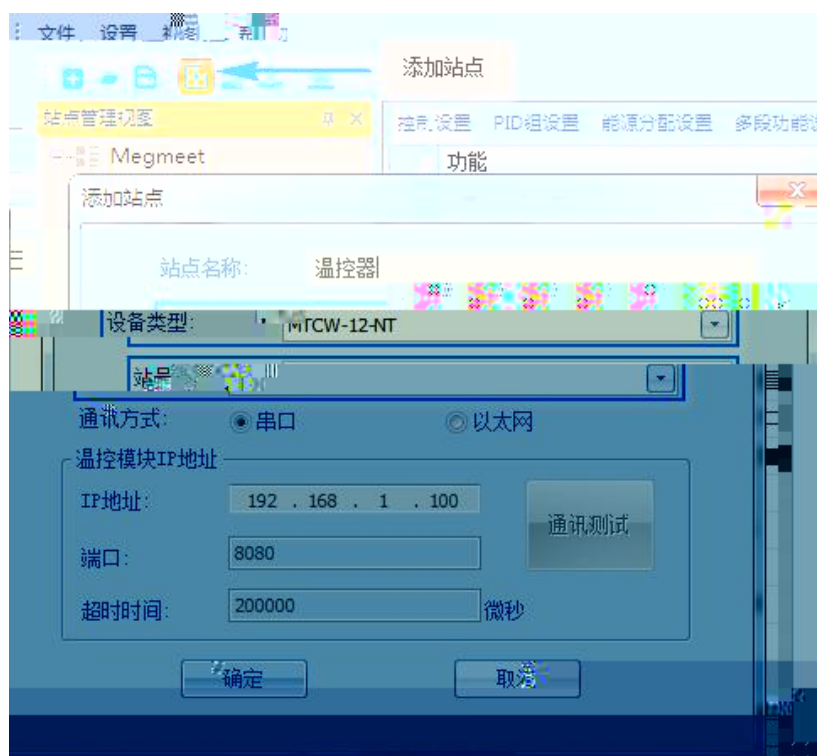
MTCW

MTCW





m "



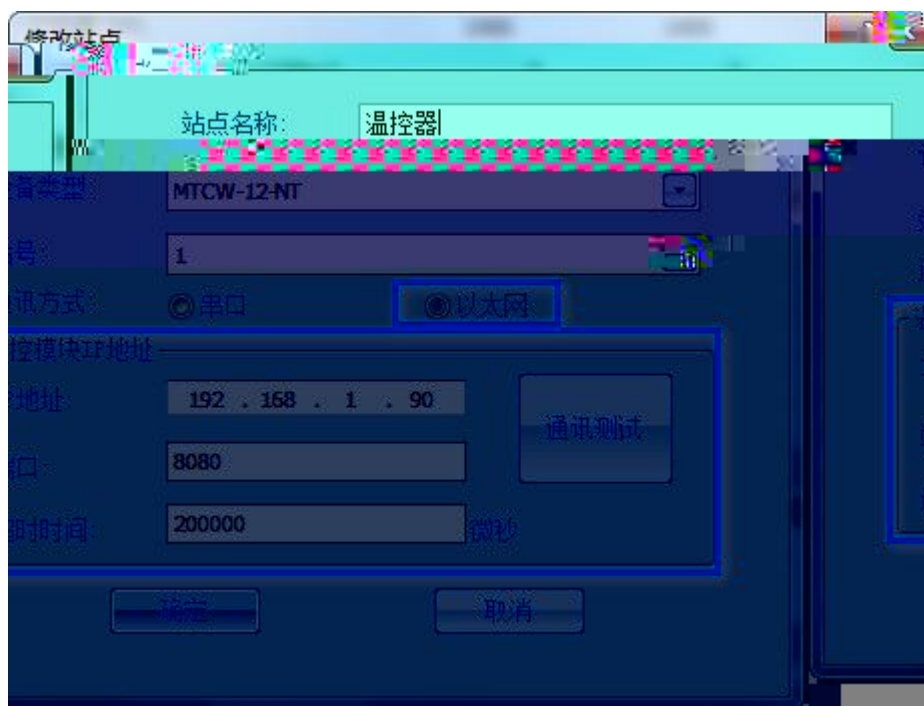
1

->



2

->



->

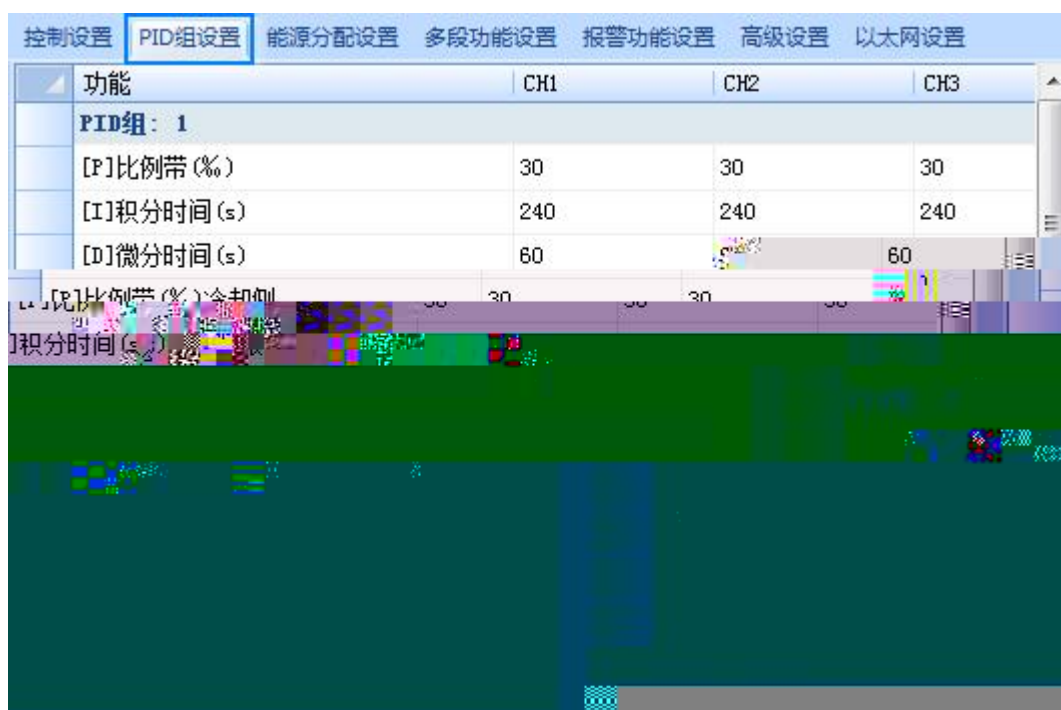
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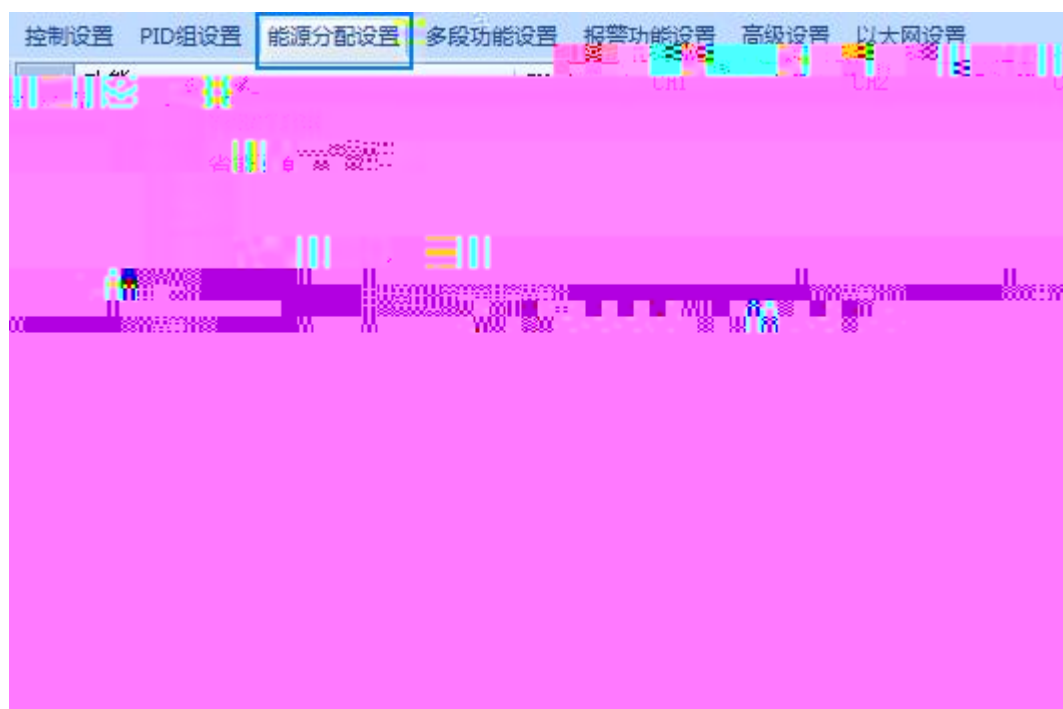




PID

PID





控制设置 PID组设置 能源分配设置 多段功能设置 报警功能设置 高级设置 以太网设置

功能	CH1	CH2	CH3
FUNCTION			
第1段温度设定值	0	0	0
第2段温度设定值	0	0	0
第3段温度设定值			

控制设置 PID组设置 能源分配设置 多段功能设置 **报警功能设置** 高级设置 以太网设置

报警1模式设置 0:无 报警死区设置 10

报警2模式设置 0:无 报警延迟次数 0

报警3模式设置 0:无

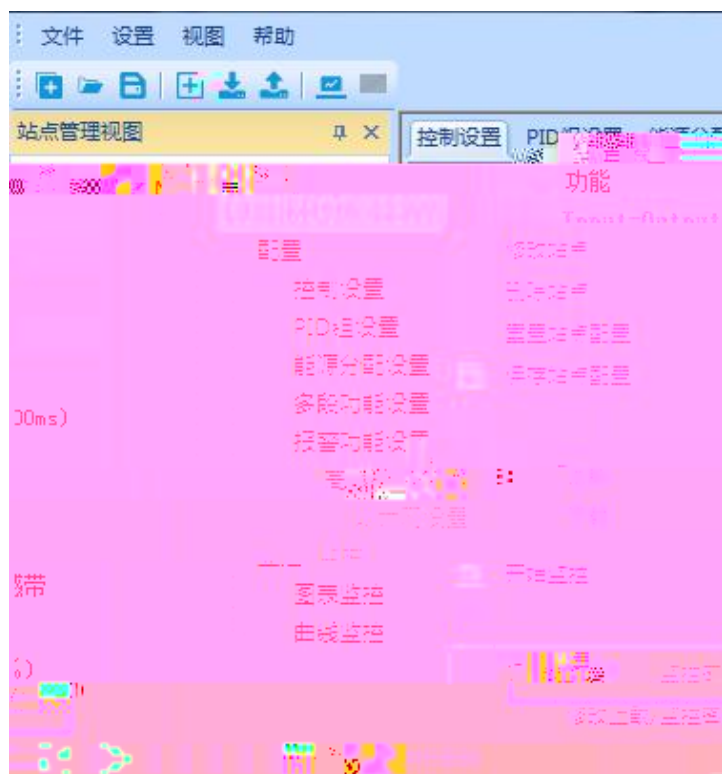
报警4模式设置 0:无

功能	CH1	CH2	CH3
报警 1 设定值	0	0	0
报警 2 设定值	0	0	0
报警 3 设定值	0	0	0
报警 4 设定值	0	0	0
报警时操作里选择	0. 不操作	0. 不操作	

PID

控制设置 PID组设置 能源分配设置 多段功能设置 **报警功能设置** **高级设置** 以太网设置

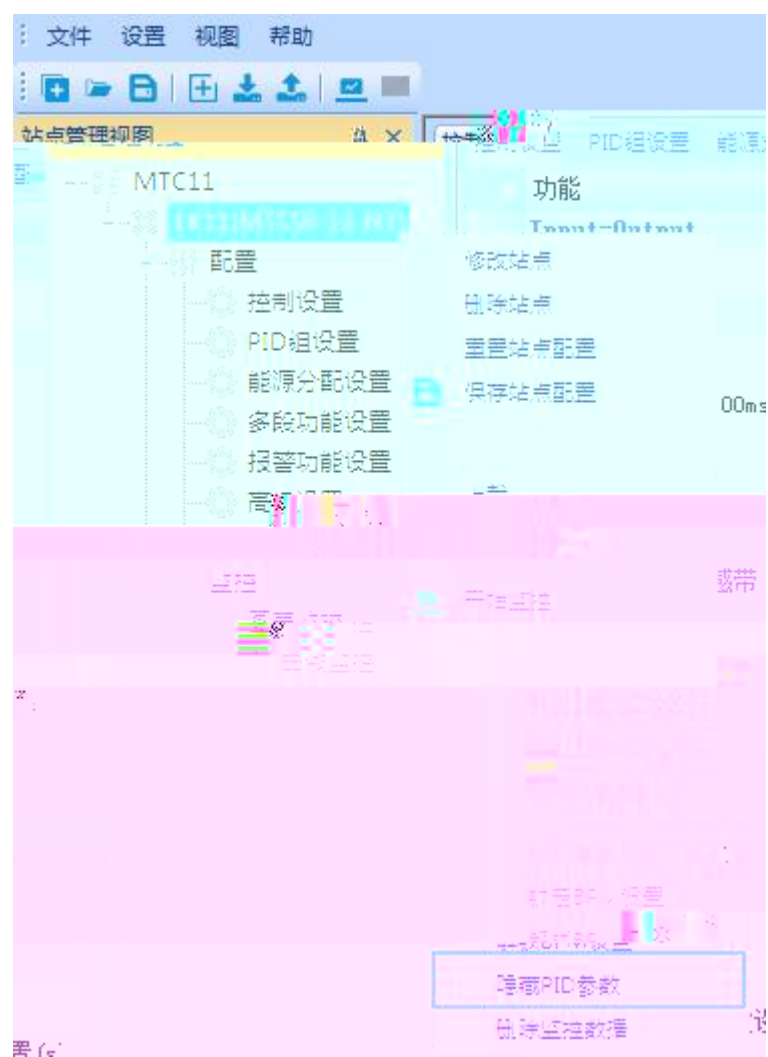
功能	CH1	CH2	CH3
PID			
自整定算法	0. 常规	0. 常规	0. 常规
控制算法	0. 增量式 PID	0. 增量式 PID	0. 增量式 PID
比例带调整系数 (加热侧)	100	100	100
积分时间调整系数 (加热侧)	100	100	100
微分时间调整系数 (加热侧)	100	100	100
比例带调整系数 (冷却侧)	100	100	100
积分时间调整系数 (冷却侧)	100	100	100
微分时间调整系数 (冷却侧)	100	100	100
设定变化率限幅上升 (min)	0	0	0
设定变化率限幅下降 (min)	0	0	0
FUNCTION			
区域动作	0. 不使用	0. 不使用	0. 不使用



PID

PID PID

PID



-
- 1.
 2. MTCW
 3. MTCW 24Vdc
 4. BFM

MTCW

24Vdc

24Vdc

24Vdc

MTCW

MTCW

“

”

MTCW

	2108	2109	2110	2111	2112	2113	2114	2115	R/W	Y
	2116	2117	2118	2119	2120	2121	2122	2123		
	2140	2141	2142							
	2148	2149								

4202						
4203						
4204						
	4262	4263	4264	4265	4266	4267
	4270	4271	4272	4273	4274	4275



	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8		
	5351	5352	5353	5354	5355	5356	5357	5358	R/W	Y
	5383	5384	5385	5386	5387	5388	5389	5390	R/W	Y
	5415	5416	5417	5418	5419	5420	5421	5422	R/W	Y
	5447	5448	5449	5450	5451	5452	5453	5454	R/W	Y
	5479	5480	5481	5482	5483	5484	5485	5486	R/W	Y
	5511	5512	5513	5514	5515	5516	5517	5518	R/W	Y
	5543	5544	5545	5546	5547	5548	5549	5550	R/W	RW

7-2			
3612		1	0
b0		b1 b7 1	
b1			
b2		AD A/D	
b3		MTCW 1	
b4			
b5			
b6			
B7~b15			
3613	16 16 1	b0 0	b1



4198 8

419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

Boxing