
2.2.1

(1)

(2)

(3) TQWX-III

DL-31

2.2.2

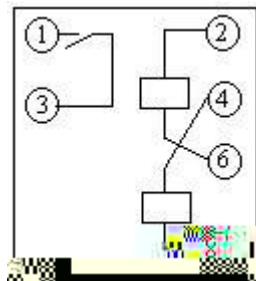
2.2.2.1

DL-31

DL-31

0.8

2-3



2-3 DL-31

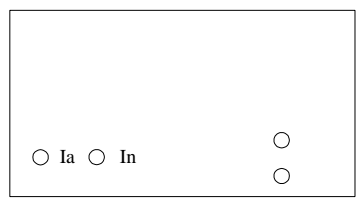
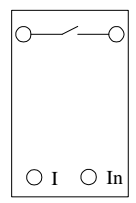
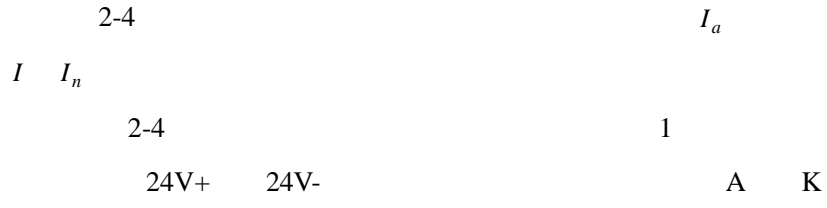
2.2.2.2

(1)

(2)

2.2.3

2.2.3.1



2-4

2.2.3.2

3.5A

2.2.3.3

(1)

a. PC
2-5

b. 2-6

2-7

I_a

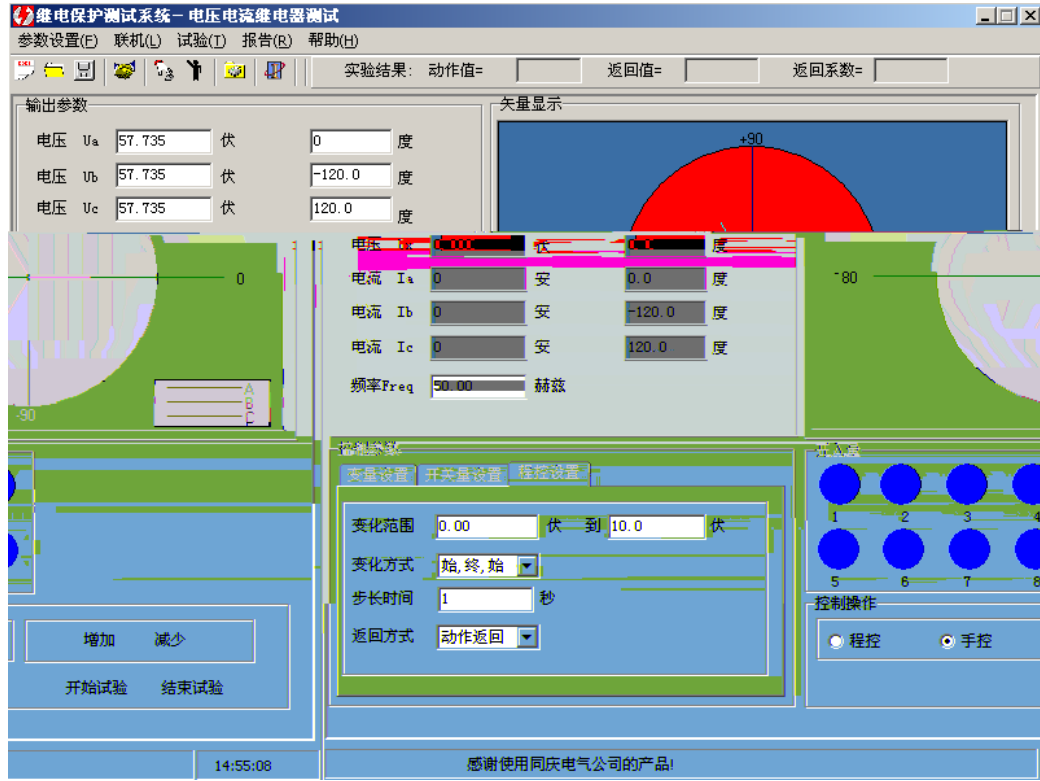
2-4

A

0.05A

2-4

1



2-5

c.

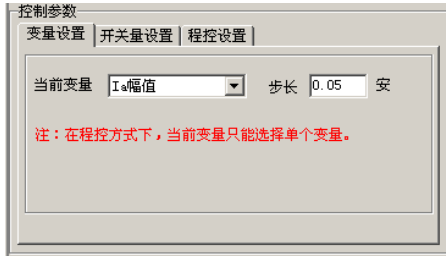
I_a

0

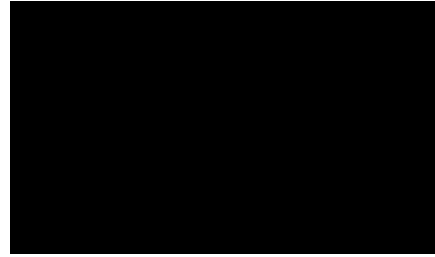
d.

e.

TQWX-III



2-6



2-7

f.

g.

$$\frac{[\quad] / \quad \times 100\%}{[\quad] / \quad \times 100\%}$$

$$\frac{\quad}{\quad}$$

2-1

h.

4.5A

2-1

2-2

2-1

3.5A

	(A)	(A)	
1			
2			
3			
4			
(A)			/
(%)			
(%)			

2-2

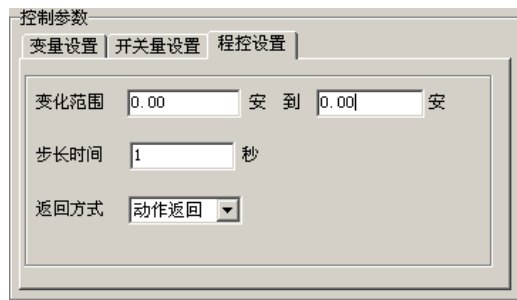
	(A)	
1	3.5	
2	4.5	

(2)

a. 2-5

b.

2-8



2-8

0.5s

c.

2.2.4

(1)

(2)

DY-36

2.3.1

(1)

(2)

(3) DY-36

2.3.2

2.3.2.1

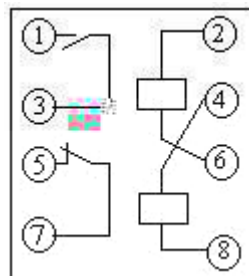
DY-36

DY-36

!

!

2-9



2-9 DY-36

2.3.2.1

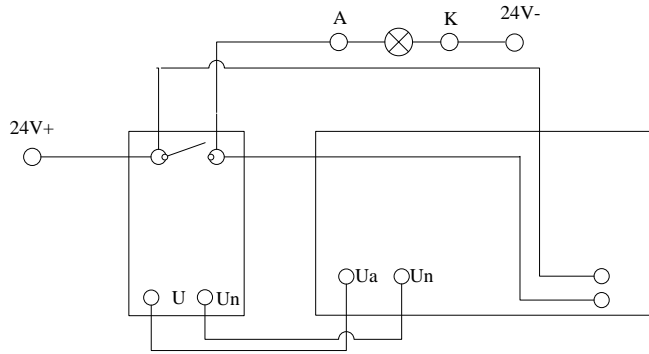
2.3.3

2.3.3.1

2-10

U_a U_n

U U_n



2-10

2.3.3.2

50V

2.3.3.3

(1)

a. 2-10

b. PC

c. 2.2 U_a

3

2-3

2-3

50V

	(V)	(V)	
1			
2			
3			
(V)			/
(%)			
(%)			

--	--

(2)

a. 2-10

b.

0
A 55V 0.5V
 U_a

3

2-4

2-4

	(V)	(V)	
1			
2			
3			
(V)			/
(%)			
(%)			
(V)	50		

2.3.4

(1)

(2)

(3)

2.6.1

(1)

(2)

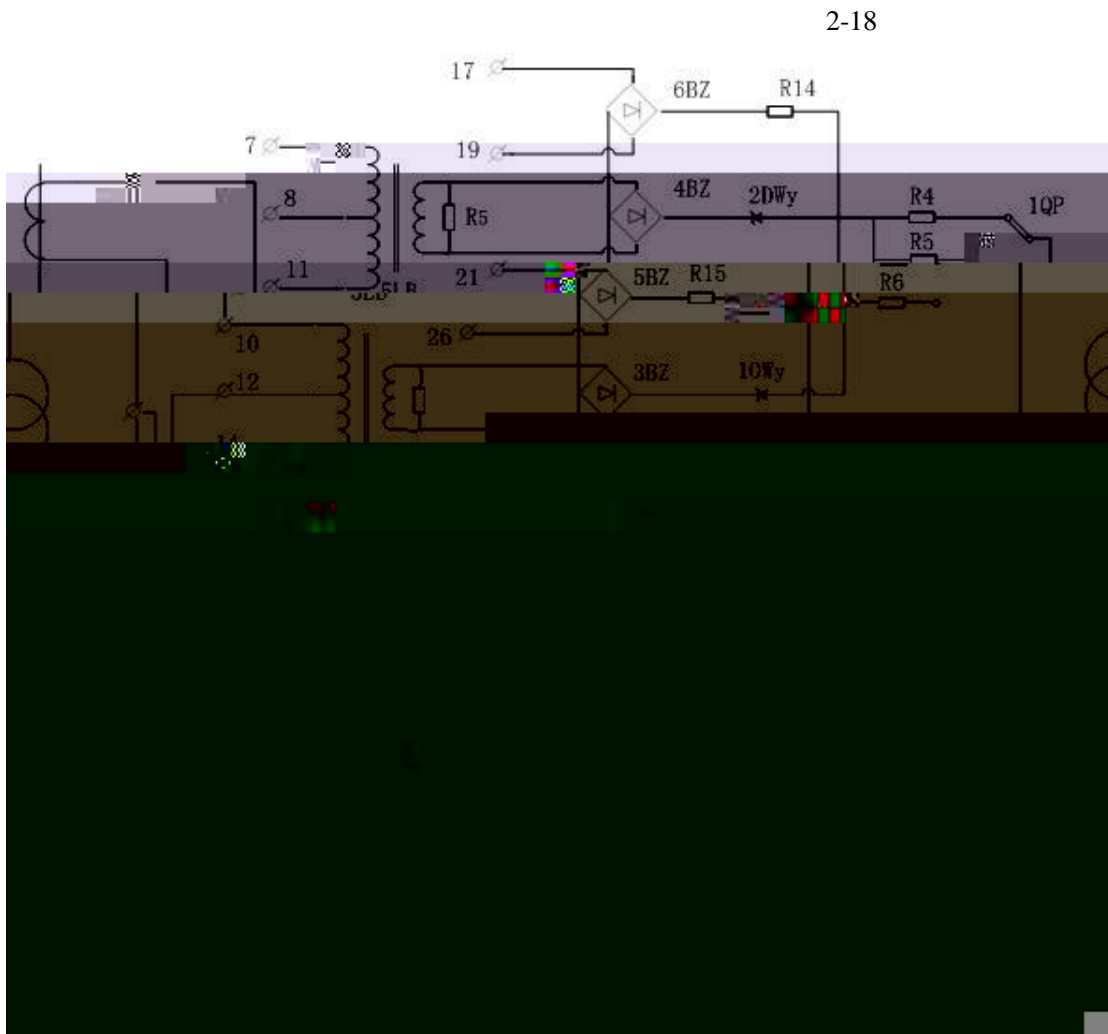
LCD-4

2.6.2

2.6.2.1 LCD-4

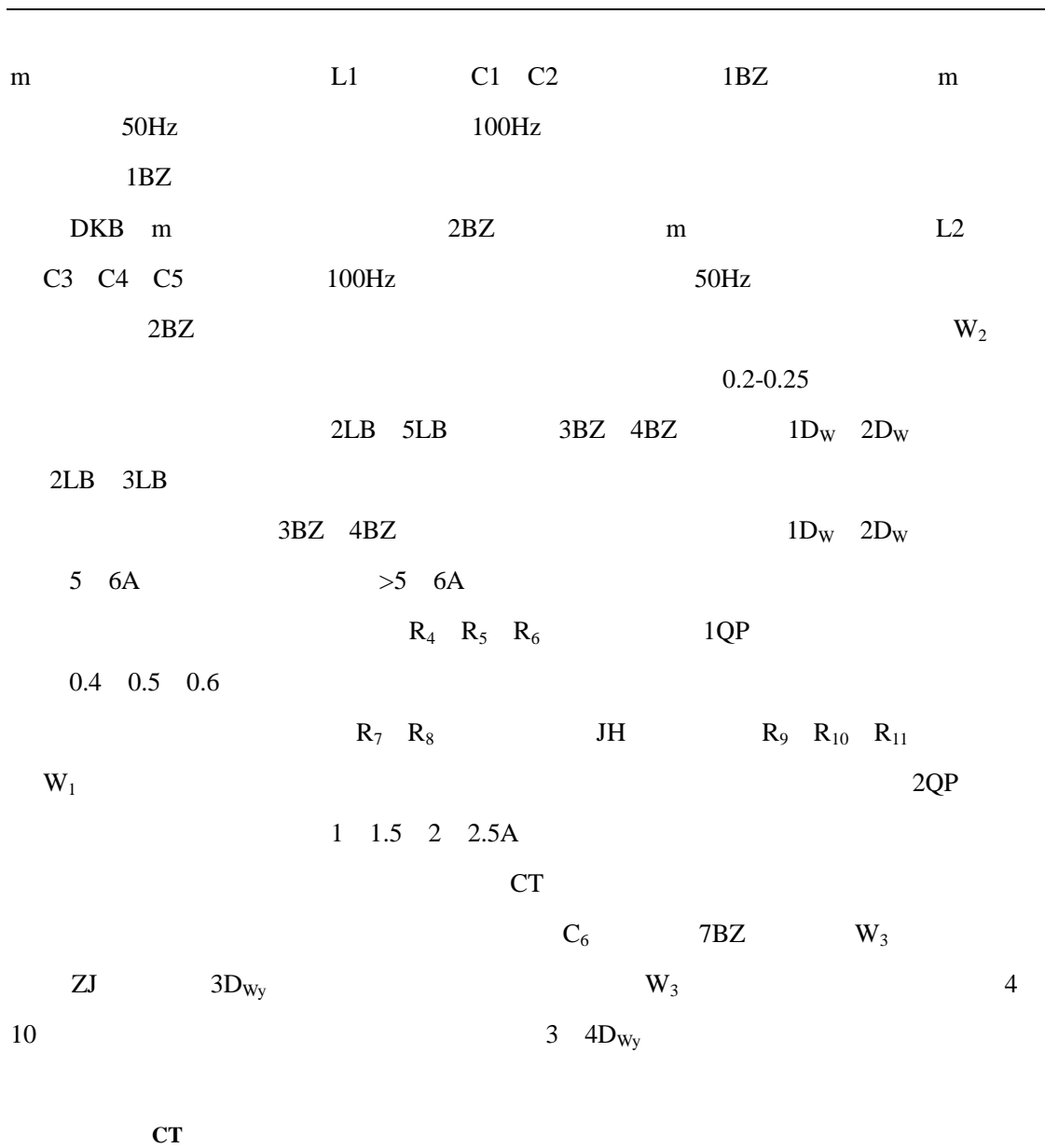
LCD-4

LCD-4

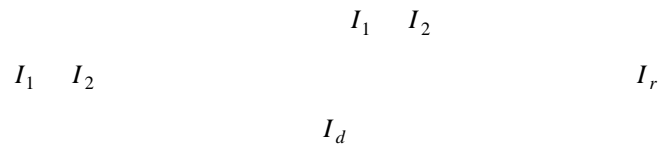


2-18 LCD-4

1LB



2.6.2.2



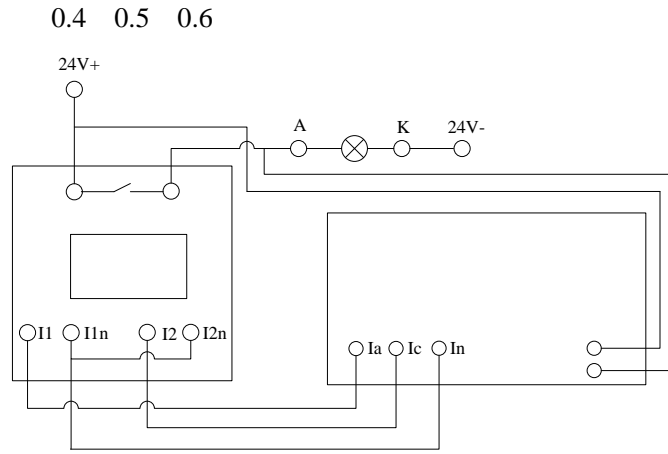
2.6.3

2.6.3.1

2.6.3.2

1 2.5A

1A 1.5A 2A 2.5A



2-19

2.6.3.3

(1) 2A 0.5

(2) PC

(3)

I_1, I_2 I_1 I_2 I_2
 I_d I_1 0 I_2

180

(I_d, I_r)

LCD-4

$$I_d = I_1 + I_2 \quad I_r = I_1 - I_2 \quad 2-20$$

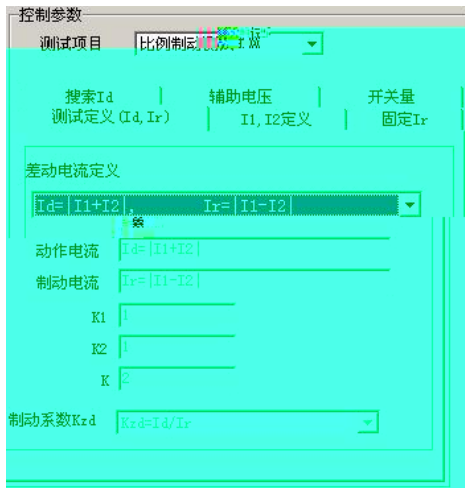
I_r

I_r

I_r

I_r

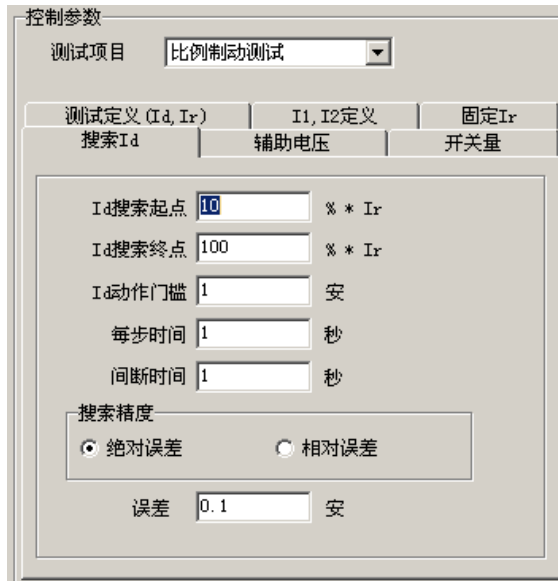
2A 10A 0.5A



2-20 (I_d I_r)

I_d I_r I_d 2-21 (I_d I_r)
 TQWX-III

I_d 10 100 I_d 2A 1
 1 0.01A



2-21 I_d

I_d 1
 100
 (4) I II II
 I2
 K_{zd} I_d I_r
 (5)

(6) 0.4 0.6 3-5

$$I_d = f(I_r)$$

2.6.4

(1)

(2)

2.7.1

(1)

(2)

(3)

2.7.2

2.7.2.1

(1)

$$I_{pu} = K_{rel}^I \frac{E'}{X_S + X_0 L}$$

$$\begin{array}{ccc} E' & & X_0 \\ & X_S & \\ & & \\ L & K_{rel}^I & \\ & 1.2 \sim 1.3 & \end{array}$$

(2)

$$\begin{array}{ccc} L_1 & \frac{L}{K_{rel}} & 0.75L \\ K_{rel} & & 1.3 \sim 1.4 \end{array}$$

$$I_{pu} = \frac{E'}{X_S + X_0 L_1}$$

E'

X_S

X_0

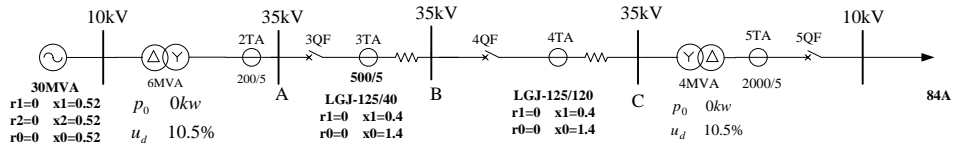
$L_1 = 0.75 L$

I_{pu}

$U_{pu} = \sqrt{3} I_{pu} X_0 L_1$

2.7.2.2

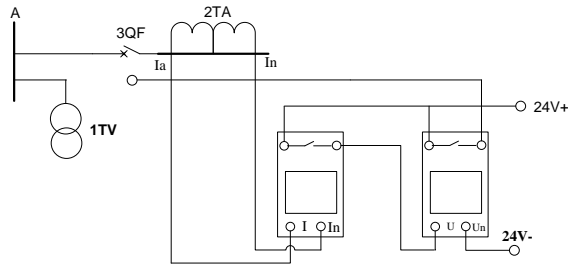
				2-22
A	3QF	DL-31	DZY-202	
2-23		DL-31	DY-36	2-25



2-22

2.7.3

2.7.3.1



2-23

(1)

		2-23	3QF
I_a	I_n	DL-31	I I_n

(2)

2-22

2-13

DL-31

(3)

.ddb

.ddb

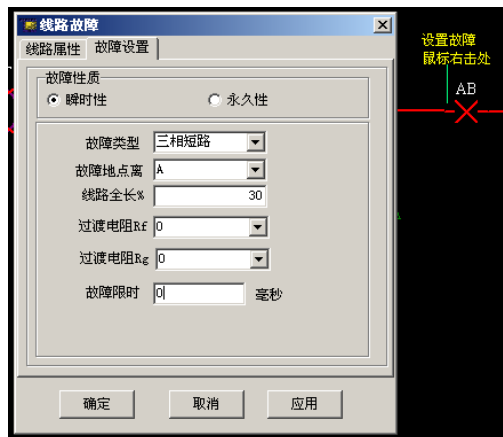
a.

2-24 AB

1 99

R_f R_g 0

0 0



2-24

0% 100%

b.

c.

3QF

d.

e.

3QF

f.

a-e

2-13

g. AB
2-13

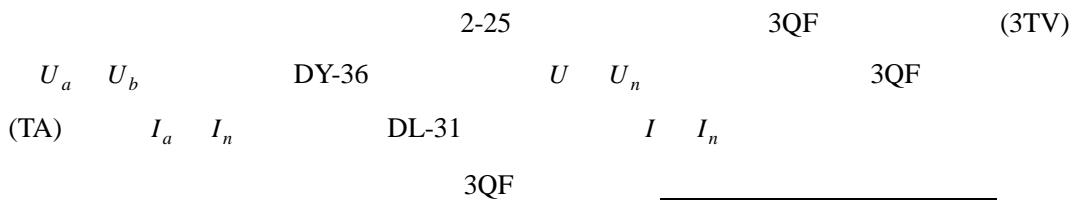
AB

2-13

	(A)	(V)		
				AB
	5.03			
	4.55	15.6		

2.7.3.2

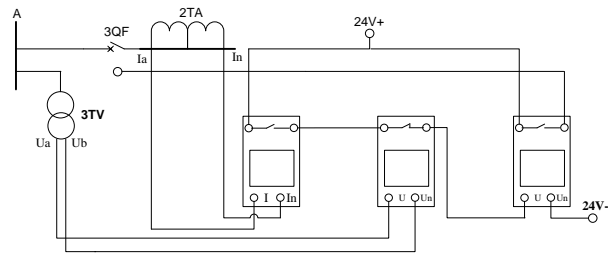
(1)



(2)

2-13

100V



2-25

(3)

AB

2-13

2.7.4