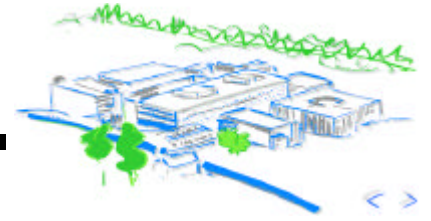


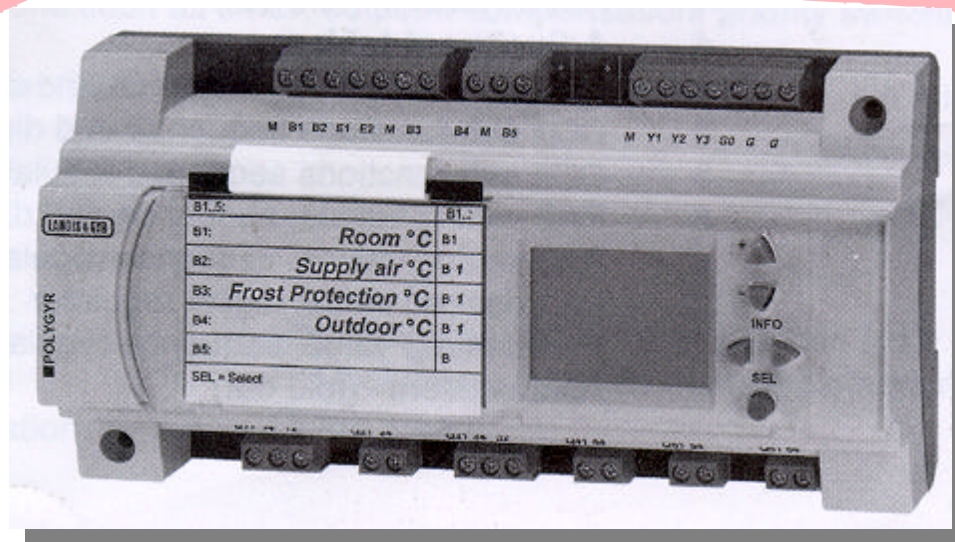
# RWX62...

Universal Controller



POLYGYR®

*For comfort control in HVAC systems*



# Contents



1

2

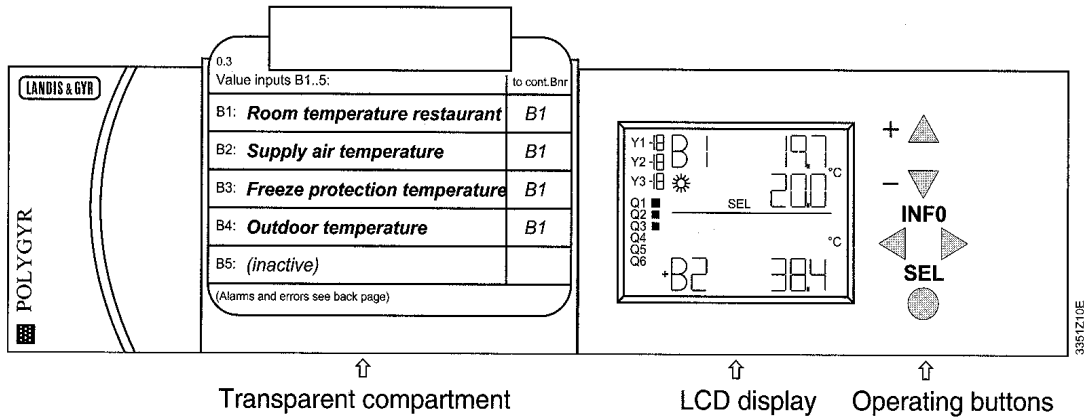
3

4

5



1



Compartment

Compartment (Application - Specific) 가

LCD

- ( 3 )

Y..	.
Q..	.
B1	.
B2	.
SEL	( SEL 가 )
	Power Position .

- 

INFO	INFO
( INFO )	( )
SEL	SEL
( SEL )	(Flashing )
+ / -	+ / -

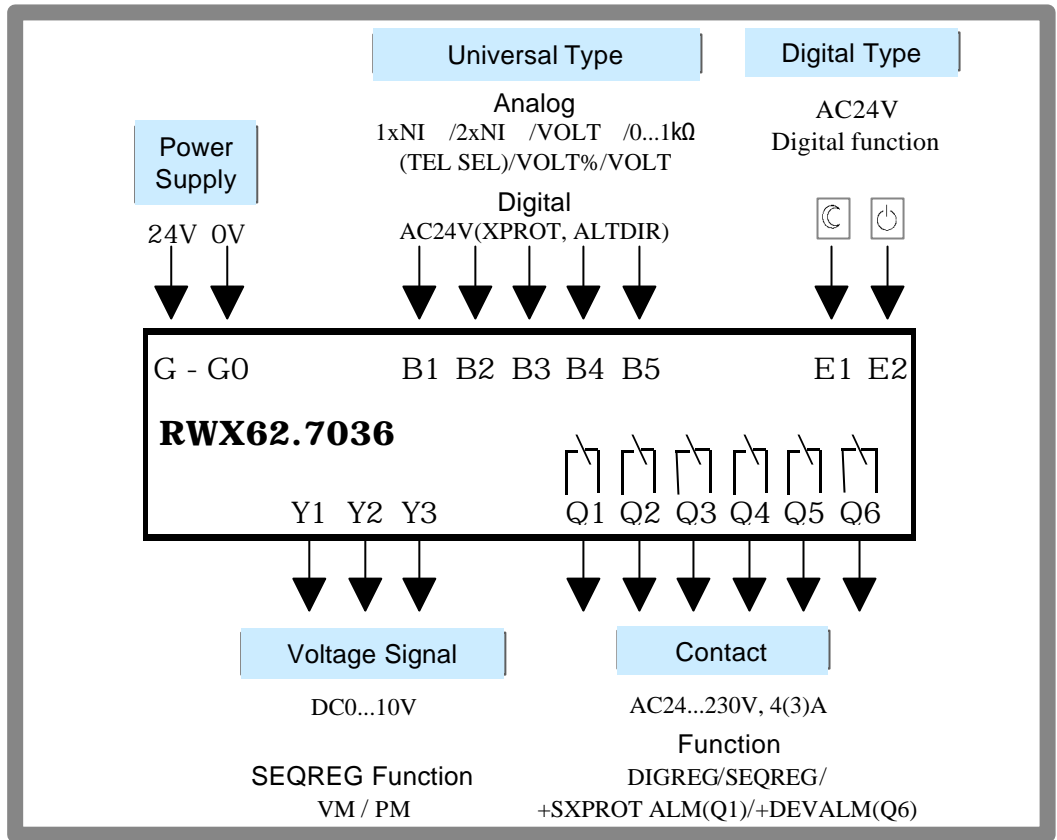
P,PI,PID

, 가 3 (Y1,Y2,Y3)

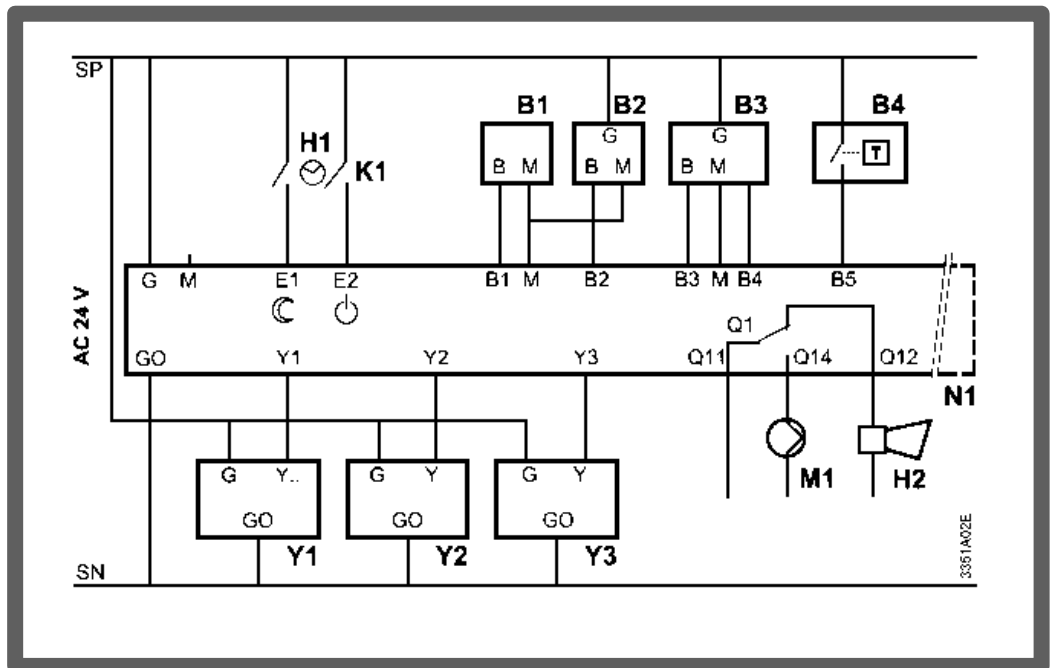
Binary  
Binary  
: 24VAC

/ 가

2



B1	Nr1000
B2	DC0...10V
B3	
B4	가
B5	
Y1-Y3	
M1	
H1	
H2	
K1	( )
Q1	
N1	RWX62...



3

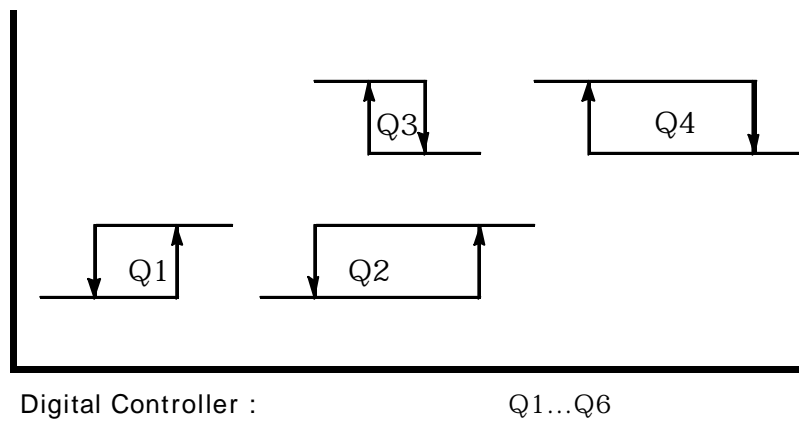
1.

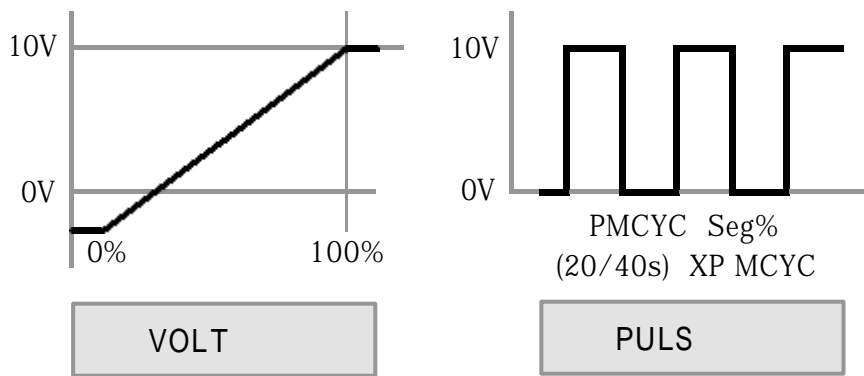
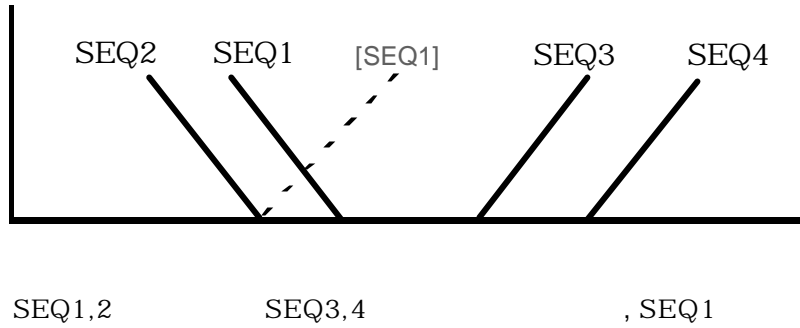
	Universal	Digital	Analog	Digital	
RWX62.7036	5	2	3	6	
RWX62.7034	5	2	3	4	
RWX62.7032	5	2	3	2	
RWX62.5030	3	2	3	0	

RWX62...

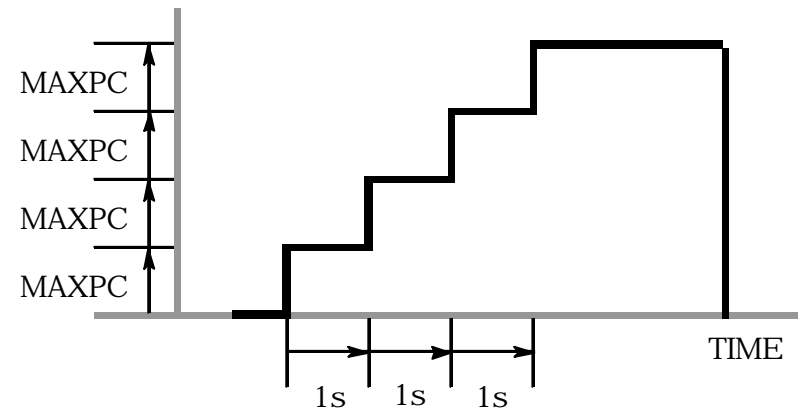
2.

(Bracket)





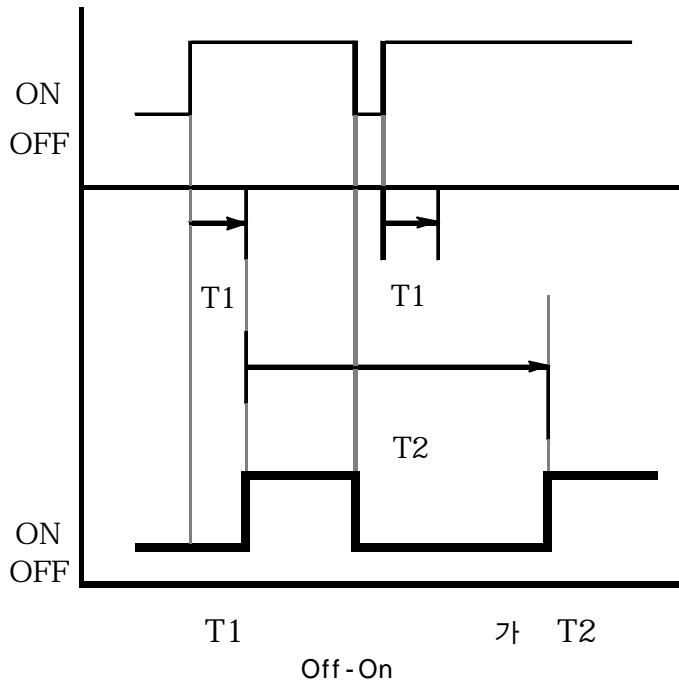
MACPC



VM Y ( )



T1 T2 ( )



+, -	MODE	MODE	+, -
5	PARA 1 MODE	CONF 1 MODE	20
10	PARA 2 MODE	CONF 2 MODE	25
15	SIMUL MODE		2

1. CO<sub>2</sub> (Configuration 2)



CO<sub>2</sub>

B.. FUNCT : B...			
<b>INACT</b>		<b>PROT</b>	
<b>DIGREG</b>	( P )	<b>LIMSP</b>	SEQREG 1 PI LIMITER
<b>SEGREG</b>	( P,PI,PID )	<b>LIMMAX</b>	SEQREG 3 PI LIMITER
<b>TELSEL</b>	SEQREG ( 0...1000 )	<b>MAXPRI</b>	3
<b>LIM</b>	SEQREG LIMITER	<b>S PROT</b>	
<b>ALTDIR</b>	SEQREG 1	<b>MULFUN</b>	
<b>B1</b>	<b>B2</b>	<b>B3</b>	<b>B4</b> <b>B5</b>

B.. TYPE : B...			
<b>1X Ni</b>	1000	<b>VOLT%</b>	DC0...10V 0...100%
<b>2X Ni</b>	1000 2 ( )	<b>VOLT</b>	DC0...10V ( CO <sub>1</sub> )
<b>VOLT</b>	DC0...10V ( CO <sub>1</sub> )	<b>DIG</b>	AC24V
<b>B1</b>	<b>B2</b>	<b>B3</b>	<b>B4</b> <b>B5</b>

TEL SEL, MAXPRI PROT  
S PROT 1XNI 0...130 , VOLT 0...15

0Y + 0Q :							
Y=DC 0.10V	Q=	$\overline{W_{11}}$ Seq.1	$\overline{W_{11}}$ Seq.2	$\overline{W_{11}}$ Seq.3	$\overline{W_{11}}$ Seq.4		
		Y...	Q...	Y...	Q...	Y...	Q...
SEQREG B1							
SEQREG B..							
SEQREG B..							

DEVALM TYPE  
RWX62.7032:Q2 / RWX62.7034:Q4 / RWX62.7036:Q6

	DIGREG B1	DIGREG B2	DIGREG B3
	1 q q	1 q q	1 q q
Q			





CO<sub>1</sub>

<b>TEMP</b> , K/				
<b>MINSCA ... MAXSCA</b> VOLT 1*N1 or 2*N1 TEL SEL B... Range (S PROT ) 0 50 /-35 35 /0 130				
<b>B1</b>	<b>B2</b>	<b>B3</b>	<b>B4</b>	<b>B5</b>
<b>MINSCA ... MAXSCA</b> 가 B... Range -50 50/5 - : 0.1 : 850 -50 50/ 0 100/CO 0 2000ppm/CO <sub>2</sub> 2 200/ 0 0.5/ 0 2/0 10/ODPTJ 20/0 40				
<b>B1</b>	<b>B2</b>	<b>B3</b>	<b>B4</b>	<b>B5</b>

Activating various functions	B1	B..	B..
<b>INACT/ACT</b>			
<b>INACT/ACT</b>			
<b>PI/P SEQREG</b> PI			
<b>CASE SEQREG</b>			
<b>SEQREG (  )</b> : <b>CONST / COMP</b> /MULFUN			
<b>SEQREG (  )</b> /MULFUN			
<b>SEQREG</b> 1 ( \ ) / ( / )			
<b>SEQREG</b> 1 <b>INACT/ABS/DIF</b>			

MULFUN = ABS                      MULFUN - SEQREG = DIF  
ALTDIR = ABS                      MULFUN - ALTDIR = DIF

Activating various functions	B1	B..	B..
<b>VM/PM</b> Y			
<b>VM</b> ,	<b>Y1:</b>	<b>Y2:</b>	<b>Y3:</b>
<b>PM</b>			
<b>RAPFU</b> /			
<b>MULFUN Q</b> Override .	<b>Q...:</b>	<b>Q...:</b>	<b>Q...:</b>
<b>MAN</b> S PROT			
<b>0</b>			
<b>1</b>			
<b>3</b> 30 ( )			
<b>4Q STEP</b>			
<b>LIN</b>			
<b>BIN</b> 2Q=3STEP, 3Q=7STEP, 4Q=15STEP			



PA2 Parameter

<b>CORSCA</b>	1XNI	2XNI	B	: 0.0...-10.0K
<b>NZ</b>	SEQREG B..	PI	B..	: Range 0...10.0K / 0.0...10.0%
<b>T1</b>	Q	On	:	4/8/15/30 1/2/4/8/16/32
<b>T2</b>	Q	2 On	:	1/2/4/8/16/32

가 NZ  
Switch delay 가 T1  
가 T2



		B1	B..	B..
<b>MINSEL MAXSEL</b>	<b>MAXEL :</b>			
	<b>MINSEL(&lt;-MAXSEL):</b>			
Range 0...100%				

MULFUN

		B1	B..	B..
<b>MINCOM..MAXCOM</b>	<b>MAXCOM :</b>			
	<b>MINCOM(&lt;-MAXCOM):</b>			
( ) Range 0...100%				
<b>MULFUN</b>	<b>MAXCOM :</b>			
	<b>MINCOM:</b>			
Range 0...100%				
<b>MAXCOR</b> (  )				
Range 0...100%, 가				
<b>Switchover delay</b>				
:				
Switchover delay				
<b>XPP</b>	<b>\\_//</b> Seq.1			
	<b>\\_//</b> Seq.2			
	<b>\\_//</b> Seq.3			
	<b>\\_//</b> Seq.4			
Range 0.5K/%				
Range 100%				

PI(D) Parameter		B1	B..	B..
<b>XP PI</b> PI 1 (Seq.1 or Seq.3) PI Range 2.5/5/10/20/40/80 160/320/640K/%				
<b>XPFACT</b> Active PI Factor	\\_// Seq.2			
	\\_/// Seq.3			
	\\_/// Seq.4			
<b>TN</b>				
<b>D</b>				

**PI** Room/ = 10K, (Air/Flow) = 40K

**XPFACT** 1 Working Range Working  
Range

**TN** Room/ =16 , =2 , Air Flow Temp=1  
Loop TN ,  
Loop TN

**D**

Y Setting

		Y1	Y2	Y3
<b>VM Y</b>	<b>MAXPOS</b> 0...114%			
	<b>MINPOS</b> -14...100%			
<b>MAXPC</b> VM Y -- (None) / Y 1...20%				
<b>PMCYC</b> PM Y 20 =				

**2. CO<sub>1</sub> (Configuration 1)**

Active Q		DEGREG		B1	B..	B..	B..	B..	B..
				Q1	Q2	Q3	Q4	Q5	Q6
<b>Q</b>	ON Point								
<b>Q</b>	OFF Point								

PA1		Setting		B1	B..	B..
	(☀) : MINSEL					
MAXSEL						
	(☾)					
Range	0...100%					

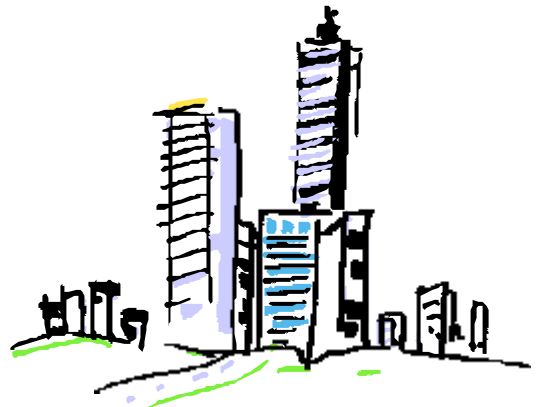
		B1	B..	B..
<b>SELMAX</b>	(☀) MINSEL			
MAXSEL				
<b>SELMIN</b>	(☀) MINSEL			
MAXSEL				
<b>SELMAX</b>	(☾)			
Range	0...100%			
<b>SELMIN</b>	(☾)			
Range	0...100%			

		B1	B..	B..
<b>COR</b>	(☀)			
MAXCOR				
<b>COR</b>	(☾)			
Range	0...100%			
	COR 가			
	COR			

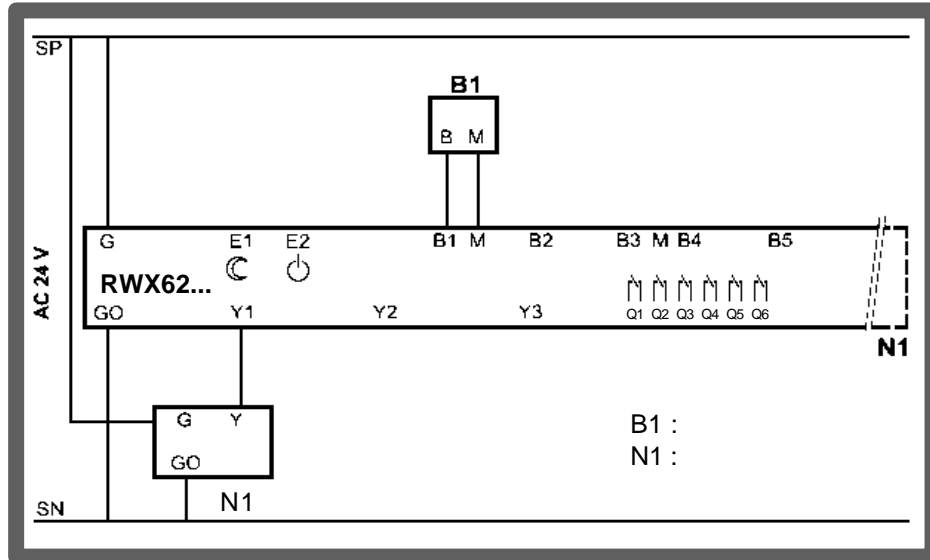
		B1	B..	B..
<b>DEVALM</b>	Range 1...100K/%			
<b>RAPFU</b>	/			
	Range 1...100K/%			

LIM/LIMSPE/LIMMAX		B..	B..	B..	B..
<b>LIM MAXLIM</b>	Range 0...100% : 40...50 MAXLIM CASC				
<b>LIM MINLIM</b>	Range 0...100% : 10...80 MINLIM CASC				
<b>LIM RELLIM</b>					
<b>LIMSPE</b>	1				
<b>LIMMAX</b>	3				

		B1	B..	B..
<b>ALTABS</b>	1 Range 1...100%			
<b>ALTDIF</b>	1 Range 1...100K			



3.



**CONF 2 MODUS**

LINE			
1	B1 FUNCT	SEQREG	B1
2	B1 TYP	1X NI	
3	B1 SEQREG	+B2 INACT	B1 B2
4	B1	1Y+0Q	1Y+1Q
5	B1	0Y+0Q	B1 1
6	B1	0Y+0Q	
7	B1	0Y+0Q	
8	B2 SEQREG	INACT	B2
9	DEVALM	INACT	

**CONF 1 MODUS**

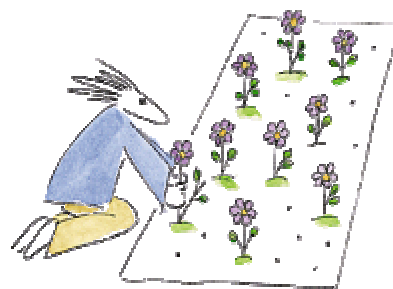
LINE			
1	TEMP	/ K	B1
2	B1 SEQREG	INACT	
3	B1 SEQREG	INACT	
4	B1 SEQREG	PI	PI
5	B1	REVERS	1
6	B1	VM	VM
7	B1 RAPFU	INACT	.

**PARA 2 MODUS**

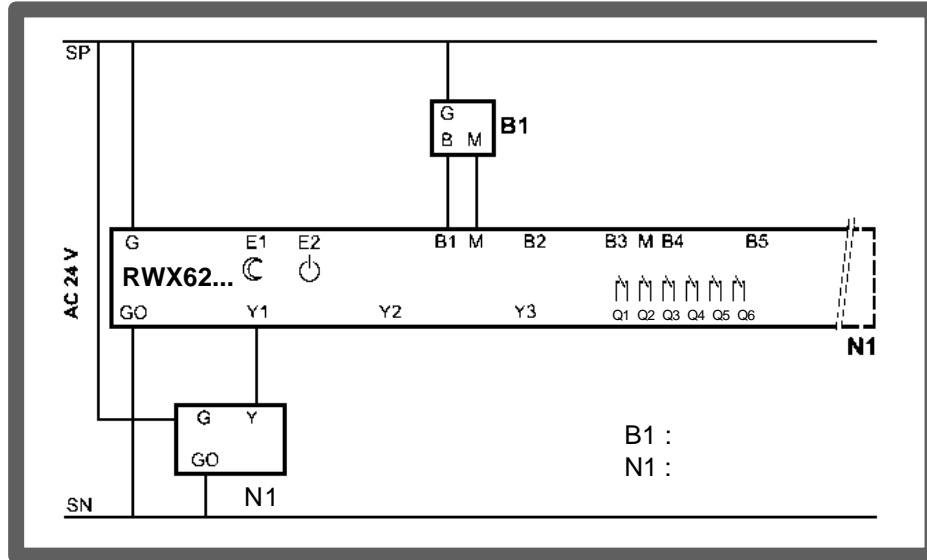
LINE			
1	B1 SEQREG CORSCA	0.0	B
2	B1 SEQREG NZ	0.0	
3	T1	1	
4	T2	2	
5	B1 MAXSEL MINSEL	0.0 ...70	Range
6	B1 \\ XP PI	40.0	
7	B1 SEQREG TN MIN	2	
8	B1 SEQREG PI D	0	
9	B1 MAXPOS MINPOS	0...100%	
10	B1 \\ MAXPS	1	

**PARA 1 MODUS**

LINE			
1	B1 \\ /	50	
2	B1 Y Q1 ON Y Q1 OFF	??%....??%	Q1 Y ??% ON ??% OFF .(Q )



4.



**CONF 2 MODUS**

LINE			
1	B1 FUNCT	SEQREG	B1
2	B1 TYP	VOLT	
3	B1 SEQREG	+B2 INACT	B1 B2
4	B1 $\backslash \backslash$	1Y+0Q	1Y+1Q
5	B1 $\backslash \backslash$	0Y+0Q	B1 1
6	B1 $\backslash \backslash$	0Y+0Q	
7	B1 $\backslash \backslash$	0Y+0Q	
8	B2 SEQREG	INACT	B2
9	DEVALM	INACT	

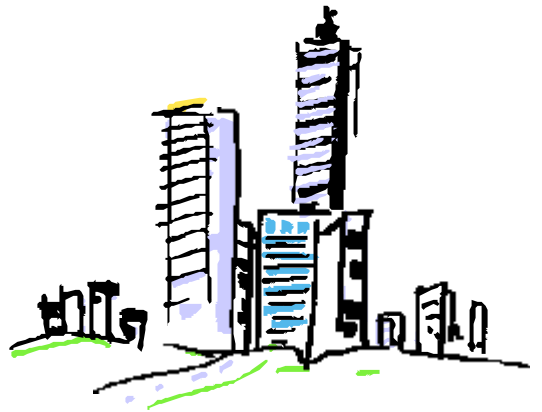
**CONF 1 MODUS**

LINE			
1	TEMP	/ K	
2	B1 MAXSCA MINSKA	0...10	: 0...10Bar
3	B1 SEQREG $\text{C}$	INACT	
4	B1 SEQREG $\text{P}$	INACT	
5	B1 SEQREG	PI	PI
6	B1 $\backslash$	REVERS	1
7	B1 $\backslash$	VM	VM



PARA 2 MODUS			
LINE			
1	B1 SEQREG NZ	0.0	
2	B1 MAXSEL MINSEL	0.0 ...10.0	Range
3	B1 \ / XP PI	10.0	
4	B1 SEQREG TN MIN	2	
5	B1 SEQREG PI D	0	
6	B1 MAXPOS MINPOS	0...100%	
7	B1 \ / MAXPS	1	

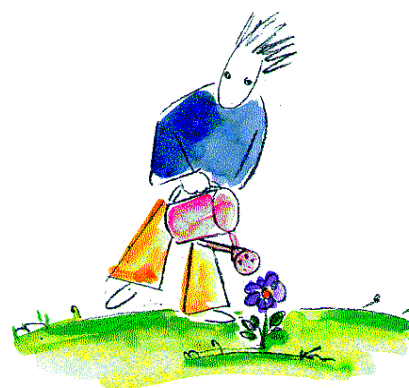
PARA 1 MODUS			
LINE			
1	B1 \ /	1	





**CONF 1 MODUS**

LINE			
<b>1</b>	TEMP	/ K	B1
<b>2</b>	B1 SEQREG ☾	INACT	
<b>3</b>	B3 SEQREG ☾	INACT	
<b>4</b>	B1 SEQREG ⏻	INACT	
<b>5</b>	B3 SEQREG ⏻	INACT	
<b>6</b>	B1 SEQREG	PI	PI
<b>7</b>	B3 SEQREG	PI	PI
<b>8</b>	B1 SEQREG	COMP	
<b>9</b>	B3 SEQREG	CONST	
<b>10</b>	B1 /	DIRECT	
<b>11</b>	B3 \ /	REVERS	
<b>12</b>	B1 X	ABS B2	
<b>13</b>	B3 X /	INACT	
<b>14</b>	B1 /	VM	VM
<b>15</b>	B3 \ /	VM	
<b>16</b>	B3 \ /	VM	
<b>17</b>	B1 RAPFU	INACT	
<b>18</b>	B3 RAPFU	INACT	



**PARA 2 MODUS**

LINE			
1	B1 SEQREG CORSCA	0.0	
2	B2 MULFUN CORSCA	0.0	
3	B3 SEQREG CORSCA	0.0	
4	B1 SEQREG NZ	0.0	
5	B3 SEQREG NZ	0.0	
6	B3 MAXSEL MINSEL	0.0 ...35.0	Range
7	B1 MAXCOM MINCOM	20 ...25	
8	B1 MAXCOM + B2 MULFUN	20	
9	B1 MINCOM + B2 MULFUN	25	
10	B1 MAXCOR	10.0	
11	B3 MIN	1	
12	B1 XP PI	10.0	
13	B3 XP PI	10.0	
14	B3 XPFACT	10.0	
15	B1 SEQREG TN MIN	2	
16	B3 SEQREG TN MIN	2	
17	B1 SEQREG PI D	0	
18	B3 SEQREG PI D	0	
19	B1 MAXPOS MINPOS	20...100%	
20	B3 MAXPOS MINPOS	0...100%	
21	B3 MAXPOS MINPOS	0...100%	
22	B1 MAXPS	1	
23	B3 MAXPS	1	
24	B3 MAXPS	1	

**PARA 1 MODUS**

LINE			
1	B3 SELMAX SELMIN	24 22	
2	B1 COR	0.0	
	B1 ALT	23	

5

	ABS	ALT	
	ACT	ALM	
Sequence1	ALTDIR	AUTO	
	B..TYP	BIN	
	B...	+ B...	
	CASC	CO..	
Controlled,	COMP	CONF.../MODUS	
	CONST	COR	
	CORSCA	DEVALM	가 ( 06 )
	DIF		
Digital	DIGREG	DIRECT	Direct ( )
	INACT	LIM	Limiter
3 PI Limiter	LIMMAX	LIMSPE	1 PI SPECIAL Limiter
Linear (Step )	LIN	MAN	Manual (Alarm )
Display	MAXCOM	MAXCOR	
	MAXLIM	MAXPC	Signal
Position	MAXPOS	MAXPRI	3
Range	MAXSCA	MAXSEL	Range
	MIN	MINCOM	Display
	MINLIM	MINPOS	Position
Range	MINSCA	MINSEL	
Multi - Function	MULFUN	NZ	Neutral Zone
Parameter	PA..	PARA.../MODUS	Parameter
	PM	PMCYC	PM Signal
Binary	Q..	RAPFU	Heating/Cooling
Limit	RELLIM	REVERS	
	SEC	SEL	
Cooling	SELMAX	SELMIN	Heating
	SEGREG	SI	Simulation Mode
Simulation Mode	SIMUL/MODUS	S PROT	Super
Delay Time	T..	TEL SEL	
LCD Display	TELE SEL	TEMP	
	TN	VM	Voltage
UNIT	WRG	XP	P Band
XP Factor	XPFACT	PROT	