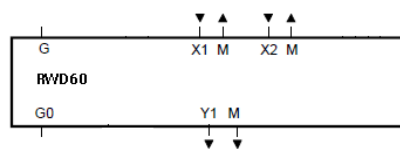
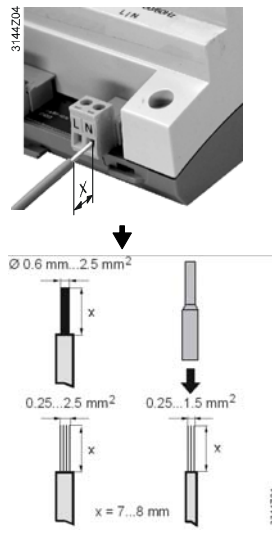


**en** Fitting

<p><b>A</b></p> <p>L ≥ 120 mm</p>	
<p><b>B</b></p> <p>(* ) Ø 3.2 mm / ≥ 40 mm</p>	<p>[mm]</p>
<p><b>C</b></p>	<p><b>D</b></p> <p>ARG62.21</p>

## en Electrical installation


Ensure that the electrical installation complies with the relevant local safety regulations. Make wiring in accordance with the plant diagram. Each connection terminal can accommodate only one wire.



Power supply ground (G0) is internally connected to signal ground (M).

## en Commissioning

### First startup

- Switch on power supply.  
**During commissioning, the control system remains deactivated.**  
When controller startup is completed, the application type display from **PS1 level** appears:
- 
- Press the SEL button (●). The entry field starts flashing. Select the application type with the navigation buttons (▲▼) and confirm it by pressing the SEL button (●). Press one of the navigation buttons (▲▼) to go back to **PS1 Level**.
  - If you do not use Ni1000 sensors, select the **PS2 level** submenu by pressing SEL button, to adapt the **sensors configuration** (units, sensors type, temperature offset).

- If you have selected an application with auxiliary functions (REM, LIM, COMP, CAS, MAXPRIO or WIN/SUM), select the **PS3 level** by pressing SEL button (●), to enter dedicated parameters:

Limitation and cascade functions:

- Maximum and minimum values
- Proportional band and integration time



Winter / Summer change-over function, set-points



Compensation function, curve points



- Select **PS4 level** to finalize application settings, displays depending on application selected:

Y1 settings:

- Proportional band and integration time
- Minimum and maximum value control signal



Comfort setpoints for heating and cooling





- Quit the commissioning menu with EXIT PS display by pressing the SEL button (●). The application starts, all sensors will be checked and existing sensors will be highlighted for future fault status messages. Normal mode display appears with the main sensor value (X1) and the modulating output values (Y1):



### Notes:

- The commissioning level can be changed by pressing the navigation buttons (▲▼) simultaneously for 5 sec.
- Information displays are always available from normal mode, by pressing one of navigation buttons (▲▼):
  - Comfort setpoint (SP-...)
  - Temperature sensor values
  - Modulating output value (Y1)
  - Actual application type

	x0 : -	x1 : REM	x2 : LIM ABS	x3 : LIM REL	x4 : COMP	x5 : CAS	x6 : WIN/SUM DIG	x7 : WIN/SUM ANLG	x8 : MAXPRIOR	x9 : ACT
1... 	#10	#11	#12	#13	#14	#15	#16	#17	-	#19
4... 	#40	#41	#42	#43	#44	#45	-	-	#48	#49

Main display	
Access to info displays ▲ or ▼	Access to setting displays ▲ and ▼ for 5 sec.
Heating and/or cooling setpoint (Y1)	<b>Level 4:</b> Main loop settings
Sensor value (X2) for auxiliary function	<b>Level 3:</b> Auxiliary functions settings
Modulating outputs values (Y1)	<b>Level 2:</b> Sensors settings
Current application	<b>Level 1:</b> Application number

Parameter	Description	Level
<b>0-10</b>	Active sensor DC 0...10 V	PS2
<b>#10 ... #49</b>	Application number	PS1
<b>ΔX1 / ΔX2</b>	Sensor offset	PS2
<b>ABS</b>	Absolute limitation function	PS1
<b>Act</b>	Active sensor DC 0...10 V	PS1
<b>AnLG</b>	Winter/summer change-over with temperature sensor	PS1
<b>CAS</b>	Cascade function	PS1
<b>COMP</b>	Compensation function	PS1
<b>diG</b>	Winter/summer change-over with thermostat	PS1
<b>EXIT</b>	Exit commissioning menu	PS4
<b>H</b>	Highest value for sensor measuring range	PS2
<b>L</b>	Lowest value for sensor measuring range	PS2
<b>LIM</b>	Limitation function	PS1
<b>LS</b>	Ni 1000 Siemens sensor	PS2
<b>MAX</b>	Maximum value for limitation function	PS3
	Output end point for Y1	PS4
<b>MAXPRIOR</b>	Maximum priority function	PS1
<b>MIN</b>	Minimum value for limitation function	PS3
	Output starting point for Y1	PS4

Parameter	Description	Level
<b>Pt</b>	Pt 1000 sensor	PS2
<b>rEL</b>	Relative limitation function	PS1
<b>REM</b>	Remote setpoint setting	PS1
<b>SUM</b>	Summer change-over temperature setpoint	PS3
<b>T</b>	Time delay for winter/summer change-over	PS3
<b>TN-h / TN-r</b>	Integration time for heating (/ reverse) sequence	PS4
<b>TN-c / TN-d</b>	Integration time for cooling (/ direct) sequence	PS4
<b>UNT</b>	Sensor value units	PS2
<b>VR</b>	0...1000 Ω signal	PS2
<b>WIN</b>	Winter change-over temperature setpoint	PS3
<b>XDZ</b>	Neutral zone	PS4
<b>XP-h / XP-r</b>	Proportional band for heating (/ reverse) sequence	PS3 PS4
	Proportional band for cooling (/ direct) sequence	PS3 PS4