

AUTOMIX 20



TECHNICAL DATA

Type of control	PI-control with microprocessor
Voltage	230/18 VAC 50/60 Hz
Power consumption	3 VA
Torque	5 Nm
Angle of rotation	90°, electrically limited
Min. supply water limiter	+5°C... +30°C, supply water temperature
Max. supply water limiter	+20°C... +80°C, supply water temperature
Room temperature setting	+5°C... +25°C, stepless
Night setback	7 or 9 hours
Temperature set back	1°C, 2°C or 3°C, room temperature
Freeze protection	+5°C... +30°C, supply water temperature
Manual operation	Yes, in case of power failure
Protection class, room thermostat	IP 30
Protection class, motor	IP 41
Dimensions of room thermostat	70 x 70 x 30 mm
Weight	0,8 kg

AUTOMIX 20 is an advanced electronic temperature control for radiator and radiant floor heating applications. AUTOMIX 20 includes an electronic programmer with night and day program, adjustments for minimum and maximum supply water temperatures and a freeze protection feature. All essential settings are adjustable. AUTOMIX 20 is ready for mounting on a mixing valve and can easily be integrated into existing heating systems. AUTOMIX 20 is delivered factory wired which minimizes installation problems in the field. The electrical power supply and all sensors have plug-in connections. AUTOMIX 20 plug-in compact control unit is simple to install, program and use. The quick and easy do-it-yourself installation saves on labour charges.

AUTOMIX 20 INCLUDES

1. Room thermostat AM-20 with microprocessor, electronic programmer with daily program facility, four LEDs for indication
2. Valve motor 24 VAC 50/60 Hz
3. Supply water sensor T1 with 1 m wire
4. Main wire 15 m
5. Power supply plug-in transformer 230/18 VAC 50/60 Hz 190 mA 1,7 m wire

ORDERING DATA

Order No:	Type:
1220	AUTOMIX 20 room temperature control
1885	Main wire 23 m
1886	Main wire 40 m
1887	Main wire 60 m

LK ACASO AB
 Box 634
 SE-521 21 Falköping
 Tel: +46 515 107 50
 Fax: +46 515 590 30

E-mail: info@lkacaso.se
 Internet: www.lkacaso.se



LK Acaso

AUTOMIX 20

also responds to the influence of other heating factors in the house

AUTOMIX 20 responds to the temperature changes in the house caused by solar gain through the windows, by internal heat gains or by outside wind for which outdoor sensor controls can't compensate.

is simple to install and to operate

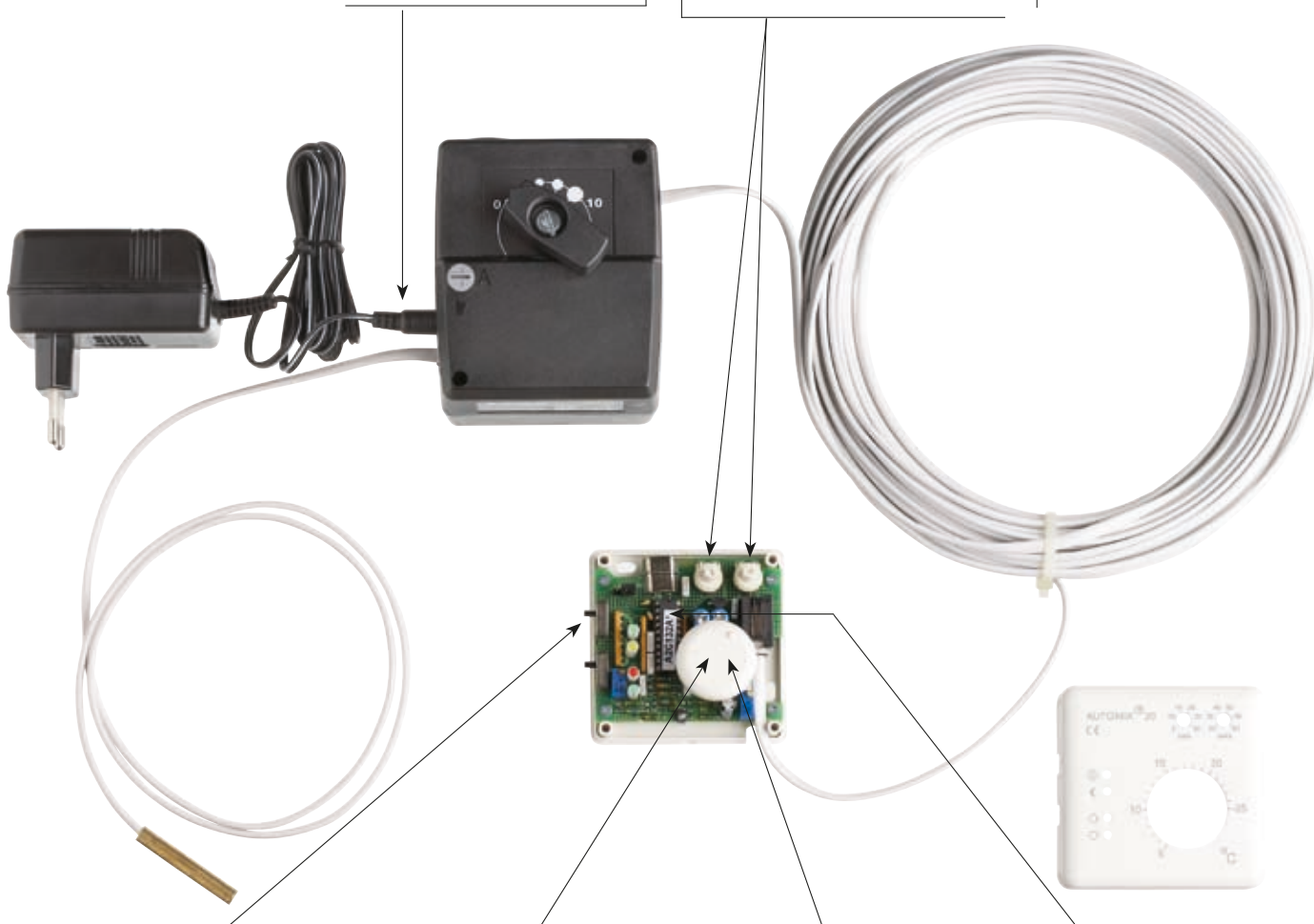
AUTOMIX 20 is delivered factory wired. The main wire, the supply water sensor and the adapter have plug-in connections. The room thermostat and the valve motor are connected through the main wire. The supply water sensor and the adapter are to be plugged into the valve motor. AUTOMIX 20 can't be installed the wrong way.

has min/max supply water limiter

AUTOMIX 20 controls both floor and radiator heating systems. To set the supply water limiter at 45°C or below makes the AUTOMIX select a slower program especially designed to regulate floor temperatures. Setting the water limiter above 45°C provides a control unit ready to regulate radiator heating systems.

controls both floor heating systems and radiator systems

Through well thoughtout development work AUTOMIX 20 controls both floor heating systems and radiator systems.



has an electronic 24 hour programmer for night setback

A night setback of 1°C, 2°C or 3°C for 7 or 9 hours is easy to program. AUTOMIX 20 will repeat the setting every 24 hours until a different setback program has been entered.

needs no outdoor sensor

AUTOMIX 20 responds to all kinds of temperature changes in the house caused by e.g. solar heat through windows, outdoor winds etc. The microprocessor compensates for such changes of temperature which a system with an outdoor sensor cannot do.

has no graph to be set

A temperature control with an outdoor sensor requires a graph setting. To select the proper graph in advance is very difficult. It usually involves a period of trial and error causing fluctuations in the indoor temperature. AUTOMIX 20 needs no graph selecting. The desired temperature is to be set at the room thermostat and that's it.

has freeze protection

Freeze protection mode is obtained by setting the room temperature to +5°C. The night setback function does not operate while AUTOMIX 20 is in freeze protection mode.

is an advanced electronic temperature control

All settings are made at the room thermostat. Through impulses from the room sensor, changes of room temperatures are forwarded to a microprocessor which directs the motor to keep the plug of the mixing valve in the position that corresponds to the heat required in the house.



LK Acaso