

Performance

Function	ZYKT-32R	BSHR-26R
Program execution mode	Cyclic scanning mode	Cyclic scanning mode
Programming mode	Instruction, ladder chart	Instruction, ladder chart
Processing speed	0.05us	0.05us
Power off holding	FlashROM and Lithium battery (3V button battery)	FlashROM and Lithium battery (3V button battery)
User program capacity	384KB	384KB
I/O points	Total points	32 points
	Input points	18 points X0~X21
	Output points	14 points Y0~Y15
Analog input	5 channels 4~20mA current or 0~10V voltage optional (select by dial switch)	11 channels (first 10 channels 4~20mA, last 1 channel 0~10V)
Analog output	3 channels (4~20mA current or 0~10V voltage optional)	3 channels (first 2 channels 0~10V, last 1 channel 4~20mA or 0~10V optional)
Analog precision	AD: 12-bit (0~4095), DA: 12-bit (0~4095)	AD: 12-bit (0~4095), DA: 12-bit (0~4095)
Internal coil (X)	1280 points	1280 points
	X0~X77, X10000~X11777, X20000~X20177, X30000~X30077	X0~X77, X10000~X11777, X20000~X20177, X30000~X30077
Internal coil (Y)	11280 points	1280 points
	Y0~Y77, Y10000~Y11777, Y20000~Y20177, Y30000~Y30077	Y0~Y77, Y10000~Y11777, Y20000~Y20177, Y30000~Y30077
Internal coil (M, HM)	87000 points	87000 points
	M0~M69999[HM0~HM11999] Special use SM0~SM4999	M0~M69999[HM0~HM11999] Special use SM0~SM4999
Flow (S)	9000 points	9000 points
Timer (T)	Points	7000 points
	Specification	100ms timer: 0.1~3276.7s
		10ms timer: 0.01~327.67s
		1ms timer: 0.001~32.767s
Counter (C)	Points	7000 points
	Specification	16-bit counter: 0~32767 32-bit counter: -2147483646~+2147483647
Data register (D)	100000 words	100000 words
	D0~D69999[HD0~HD24999] Special use SD0~SD4999	D0~D69999[HD0~HD24999] Special use SD0~SD4999
FlashROM register(FD)	14192 words	14192 words
Clock	Year, month, day, hour, minute, second, week. Precision: ±4s/day	Year, month, day, hour, minute, second, week. Precision: ±4s/day
	6-bit ASCII code	6-bit ASCII code
Self-diagnosis function	Power-on self-test, monitoring timer, syntax check	Power-on self-test, monitoring timer, syntax check



HVAC system controller

Help building automation to create greater value for customers



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Automation Trust Partner

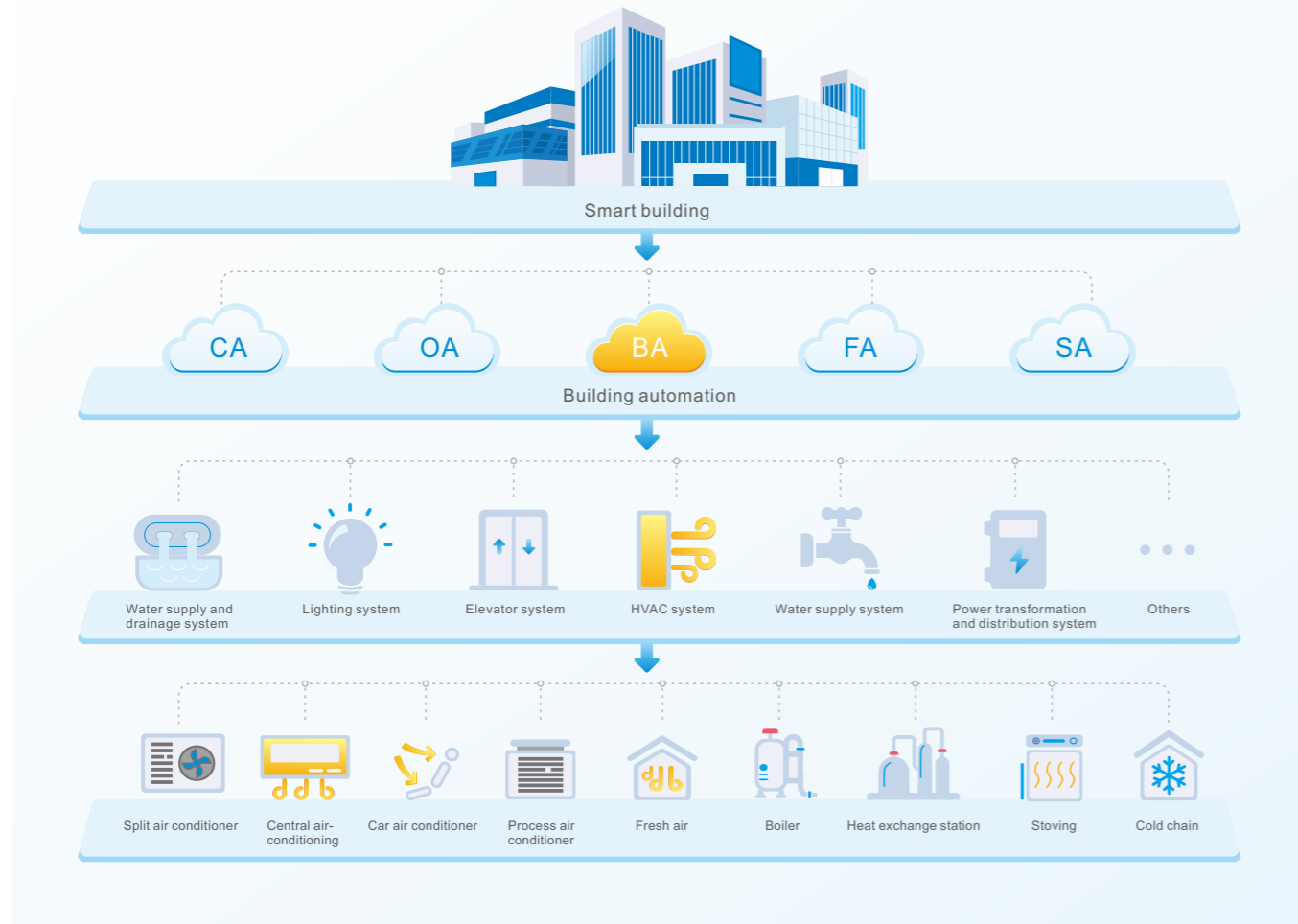
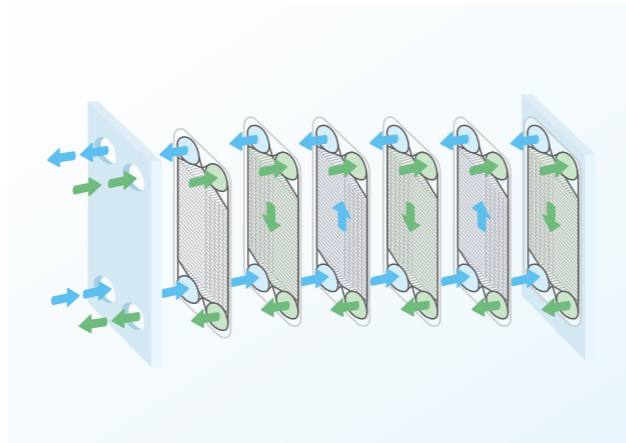
Xinje is an integrated solution provider specializing in the R&D, production and application of automation products, and is committed to promoting the automation and intelligence of equipment and helping the transformation and upgrading of manufacturing industry. Xinje takes technological innovation as the basis and market demand as the orientation, provides personalized services for customers and tailors the overall solution for the industry segment. Xinje is deeply involved in the central air conditioning and plate heat exchange industry, providing more competitive HVAC controller products, helping customers improve their competitiveness and create greater value for customers.

Industry introduction of central air conditioning and heat exchange station

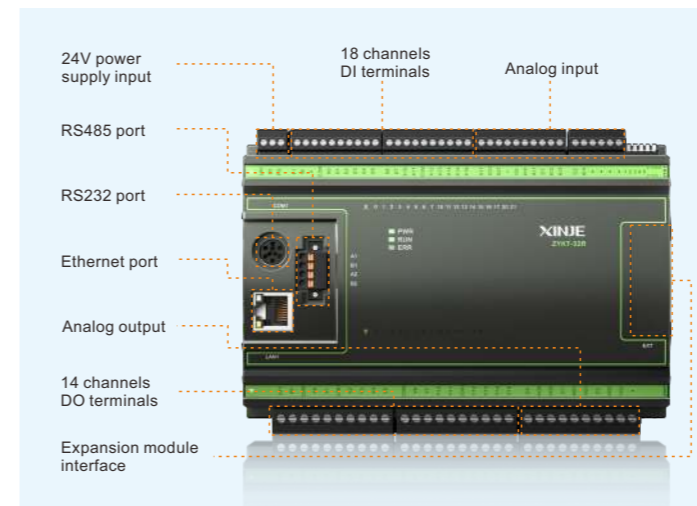
Central air-conditioning equipment is widely used in various industrial refrigeration places and public buildings such as office buildings, shopping malls, rail transit, airports, hospitals, etc., with huge market potential.

In areas with higher latitudes, the winter time is longer, and the corresponding heating period is longer. In the past, most of the heat exchange stations were transformed from the original heating center in the residential area, using manual control. Most of the circulating water pumps in the heat exchange station adopt the star-angle conversion starting mode, which has high energy consumption and low energy utilization rate.

Now, in order to achieve the goal of energy conservation and environmental protection, many regions have implemented central heating. The central heating center circulates the heat source after boiler heating through the primary circulating water pump in the primary pipe network, and uses the secondary or tertiary pipe network to heat the end user, which greatly improves the energy utilization rate.



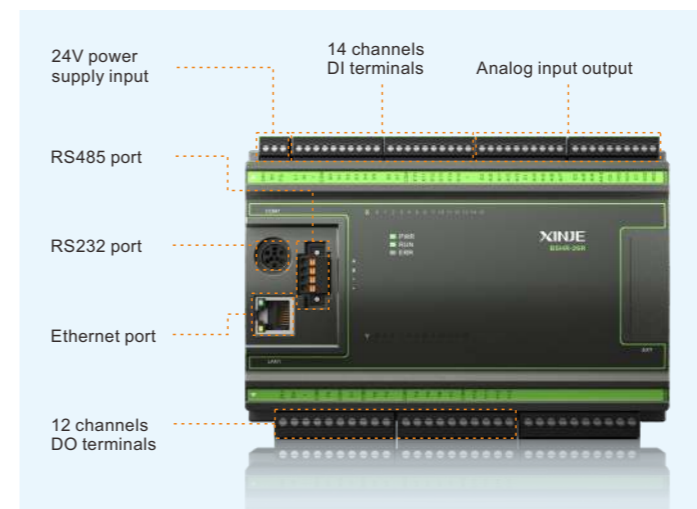
Special model for central air conditioning system ZYKT-32R



Port	Analog input (5 channels)	Analog output (3 channels)
1×RS232 2×RS485 1×RJ45	5 channels 4~20mA or 0~10V optional Precision: 12-bit (gear selection: software or dial switch)	3 channels 4~20mA or 0~10V optional Precision: 12-bit (gear selection: software or dial switch)

- ◆ Applied to central air-conditioning industry.
- ◆ RS232 and RS485 support standard Modbus and free format protocol, can communicate with various instruments and meters, and can also be used to connect various motors such as fans, pumps, compressors, etc.
- ◆ RJ45 port supports standard Modbus-TCP, TCP/IP, UDP protocols, program download/upload, online monitoring, access to Xinje cloud, remote monitoring, data analysis, parameter setting and control of device data through web, app at any time.
- ◆ Analog channel can connect to regulating valves, fans, pumps, compressors and other instruments.

Special model for plate heat exchange system BSHR-26R



Port	Analog input (11 channels)	Analog output (3 channels)
1×RS232 1×RS485 1×RJ45	11 channels (first 10 channels 4~20mA, last 1 channel 0~10V) Precision: 12-bit	3 channels (first 2 channels 0~10V, last 1 channel 4~20mA or 0~10V optional) Precision: 12-bit

- ◆ Applied to plate heat exchange industry.
- ◆ RS232 and RS485 support standard Modbus and free format protocol, can communicate with various instruments and meters in the heat exchange unit, and can be used to connect the frequency converter equipment in the unit control system such as circulating pump, heating pump, make-up water pump, etc.
- ◆ RJ45 port supports standard Modbus-TCP, TCP/IP, UDP protocols, program download/upload, online monitoring, access to Xinje cloud, remote monitoring, data analysis, parameter setting and control of device data through web, app at any time.
- ◆ Analog channel can connect to temperature sensor, pressure sensor, liquid level sensor, flow meter and other sensors.

Dimension

(Unit: mm)

Central air conditioning controller ZYKT-32R

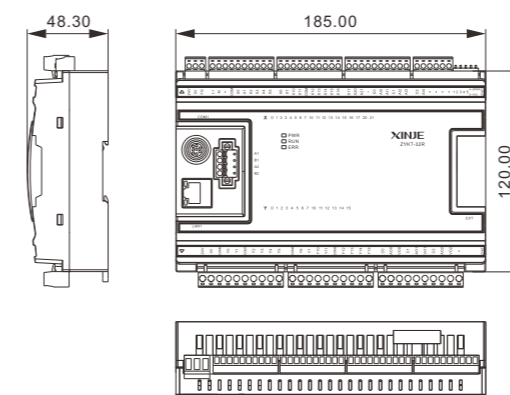


Plate heat exchange controller BSHR-26R

