AR200

AR200 is supplemented with SIRe control system. With SIRe control system, the air curtain will always perform at its best. You'll never have to think about switching it on or off. It even adapts to the season outside, and with calendar function the air curtain automatically runs during the hours it is needed. The SIRe control system is available in three different versions with different functionalities; Basic, Competent and Advanced. One SIRe can control up to nine AR200 air curtains. Each AR200 requires an external PC board SIReB1XA.

SIRe Basic

- Manual regulation of the fan and temperature
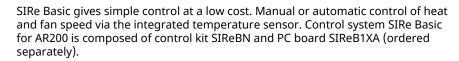- Automatic control of fan speed and temperature via the integrated temperature sensor

SIRe Competent

- All functions for Basic
- Calendar function
- Filter alarm
- Simple BMS control - on/off, fan speed and alarm functions
- Flexible mode - for doors that open and close frequently
- Open mode - for doors that stay open

SIRe Advanced

- All functions for Competent
- Eco mode - extra energy-efficient mode
- Comfort mode - when comfort is important
- Advanced BMS control - 0-10V, potential free contact or Modbus
- Max limit of return water temperature.*
- Proactive regulation – measures outdoor temperatures for proactive reaction.

Requires sensor SIReWTA

SIRe Basic

SIRe Basic gives simple control at a low cost. Manual or automatic control of heat and fan speed via the integrated temperature sensor. Control system SIRe Basic for AR200 is composed of control kit SIReBN and PC board SIReB1XA (ordered separately).

SIReBN + SIReB1XA

SIRe Competent

By using the included door contact, SIRe Competent learns the needs of the entrance it is installed in, e.g. opening frequency. It has calendar function, service timer, and analogue BMS communication (0-10V fan speed, on/off, common alarm signal). Control system SIRe Competent for AR200 is composed of control kit SIReAC and PC board SIReB1XA (ordered separately).

SIReACY/Z + SIReB1XA

SIRe Advanced

SIRe Advanced anticipates and learns the needs of the entrance it is installed in, based on opening frequency, outdoor and indoor temperature, etc... It allows communiction with BMS systems, analogue or via Modbus/RTU. Because the fan speed is adapted, the sound level is optimized and is never higher than is necessary for comfort. With SIRe Advanced it is possible to choose between Eco and Comfort mode dependent on whether energy savings or optimal comfort has been prioritised. The return water temperature can be limited, thus ensuring that the available heat is exploited to the maximum. Control system SIRe Advanced for AR200 is composed of control kit SIReAA and PC board SIReB1XA (ordered separately).

SIReAAY/Z + SIReB1XA

Item number	Type	Used for	Consists of
33481	**SIReBN**	AR200A/E/W	1
33488/33489	**SIReACY/SIReACZ***	AR200A/E/W	1
33490/33491	**SIReAAY/SIReAAZ***	AR200A/E/W	1
74061	**SIReB1XAE**	AR200E	1
74062	**SIReB1XAW**	AR200A/W	1

*[1]) SIRexxxY communicates in Swedish, Norwegian, English, German, French, Spanish, Dutch, Italian, Danish and Finnish. SIRexxxZ communicates in Russian, Ukrainian, Polish, Czech, Slovak, Romanian, Hungarian, Turkish, Portuguese and English.

SIRe Basic

Content
- SIReUB1, control unit with built in room temperature sensor. Wall unit cover included.
- SIReCC, modular cable, RJ12 (6p/6c), 5 m
- SIReBX1A, external PC-board (ordered separately)

SIRe Competent

Content
- SIReUA1Y, control unit with built in room temperature sensor. Wall unit cover included.
- SIReC1XN, PC board HUB Competent
- FCDC, door contact
- SIReCC, modular cables, RJ12 (6p/6c), 3 m resp. 5 m
- SIReBX1A, external PC-board (ordered separately)

SIRe Advanced

Content
- SIReUA1Y, control unit with built in room temperature sensor. Wall unit cover included.
- SIReA1XN, PC board HUB Advanced
- SIReOTX, outdoor temperature sensor
- FCDC, door contact
- SIReCC, modular cables, RJ12 (6p/6c), 3 m resp. 5 m
- SIReBX1A, external PC-board (ordered separately)

SIReBX1A, external PC-board
External PC-board for AR200 units to allow SIRe control.

FCDC, door contact
Indicates door status. Potential free, changeover contact.

SIReRTX, external room temperature sensor
Used to obtain a better measuring point in the premises when the control unit is located so that the internal room temperature sensor does not show a relevant value. 10 m. cable with modular connector RJ11 (4p/4c).

SIReWTA, return water sensor
Clamp-on sensor for return water temperature control. 3 m. cable with modular connector RJ11 (4p/4c). Should be mounted on the return pipe on the heating coil.

SIReCJ4/SIReCJ6, joint piece
Used to join two RJ11 (4p/4c) respectively RJ12 (6p/6c).

SIReCC, modular cables
Modular cables RJ11 (4p/4c) and RJ12 (6p/6c). Available in lengths of 3, 5, 10 and 15 m (RJ12 also in 40 m).

Item number	Type	Used for	Consists of
74061	**SIReB1XAE**	AR200E	1
74062	**SIReB1XAW**	AR200A/W	1
17495	**FCDC**	AR200A/E/W	1
17539	**SIReRTX**	AR200A/E/W	1
17613	**SIReWTA**	AR200W	1
17616	**SIReCJ4**	AR200A/E/W	1
17615	**SIReCJ6**	AR200A/E/W	1
17542	**SIReCC603**	AR200A/E/W	1 (3 m)

Item number	Type	Used for	Consists of
17543	**SIReCC605**	AR200A/E/W	1 (5 m)
17544	**SIReCC610**	AR200A/E/W	1 (10 m)
17545	**SIReCC615**	AR200A/E/W	1 (15 m)
17773	**SIReCC640**	AR200A/E/W	1 (40 m)
17546	**SIReCC403**	AR200A/E/W	1 (3 m)
17547	**SIReCC405**	AR200A/E/W	1 (5 m)
17548	**SIReCC410**	AR200A/E/W	1 (10 m)
17549	**SIReCC415**	AR200A/E/W	1 (15 m)