

FAN CONTROL OPTIONS

Choose the Control Package That Suits Your Needs

ENVIRA-NORTH
SYSTEMS LIMITED

SmartAIR FAN CONTROL



SmartAIR FAN CONTROL

- Designed for use with a single fan
- Multi-Fan Option controls up to 10 fans
- Touchscreen controlled
- Pulls power from VFD (no separate power source)
- Designed to work in conjunction with; Schneider VFD's, ModAIR Fan Controls or a mixture of both options
- Jazz Fans must be on their own network

TouchAIR FAN CONTROL



TouchAIR FAN CONTROL

- Designed for use with up to 20 fans
- Touchscreen controlled
- NEMA4X Enclosure
- Ideal component to use with BAS
- Designed to work in conjunction with; Schneider VFD's, ModAIR Fan Controls or Jazz Fans



JAZZ FAN HMI

- Included with the purchase of Jazz Fan
- Controls one fan
- Comes with 100' CAT-5 communication cable

JAZZ MULTI-FAN HMI

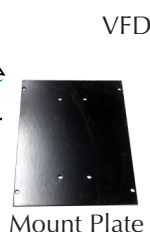
- Provides same features as above
- Looks identical to standard HMI
- Controls up to 5 fans
- Fans are daisy-chain connected with CAT-5



SCHNEIDER VARIABLE FREQUENCY DRIVE (VFD)

- Requires one for every fan
- Available in 200-240v / 380-500v / 525-600v
- Accepts Single Phase power
- Only use two phases of 3ph power from source
- NEMA4X Enclosure
- For use with standard Gearless or Gearmotor Fans
- 2Hp unit recommended for all fan diameters
- Optional internal fire relay available

ModAIR FAN CONTROL



VFD



Wiring Harness

ModAIR FAN CONTROL

- Requires one for every fan
- Includes
 - Lenze VFD
 - Mounting Plate (to mount on fan frame)
 - Wiring Harness (to connect VFD to Motor)
 - ModBus Communications Module
- Requires an additional control at ground level to operate the fan(s)
- Optional internal fire relay available
- Commonly used with TouchAIR/SmartAIR or building automation systems

EssentialAIR FAN CONTROL

VFD



EssentialAIR FAN CONTROL

- Requires one for every fan
- Includes only the Lenze VFD
- Installed at ground level on the wall
- Optional internal fire relay available

CommandAIR FAN CONTROL

VFD



Remote Keypad



100' (30.48m)
CAT 5 Cable



Mount Plate



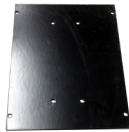
Wiring
Harness

CommandAIR FAN CONTROL

- Fan Mounted VFD
- One Per Fan Required
- Package Includes Mounting Plate + Wiring Harness + Control Wire and Remote Keypad
- Provides Remote Troubleshooting for Fan Mounted VFD

ZoneAIR FAN CONTROL

VFD



Mount Plate



Wiring Harness

ZoneAIR FAN CONTROL

- Requires one for every fan
- Includes
 - Lenze VFD
 - Mounting Plate (to mount on fan frame)
 - Wiring Harness (to connect VFD to Motor)
- Requires an additional control at ground level to operate the fan(s)
- Optional internal fire relay available



LOW VOLTAGE CONTROL (LVC)

- Uses a 0-10 signal
- Controls up to 7 fans (700' of wire)
- Uses 7-wire daisy-chained from VFD to VFD
- Can be used with Lenze & Schneider VFD's



TEMPERATURE CONTROL (TFD-1)

- Works in conjunction with the LVC
- Uses a modulation-band to automate fan speed
- Fans turn on a minimum temperature set point



WIND SENSOR

- Works in conjunction with the LVC
- Uses a modulation-band to automate fan speed
- Fans turn on a minimum temperature set point