

# CONTROLS

## SCN SINGLE PHASE AC CONTROLS

### FEATURES & BENEFITS

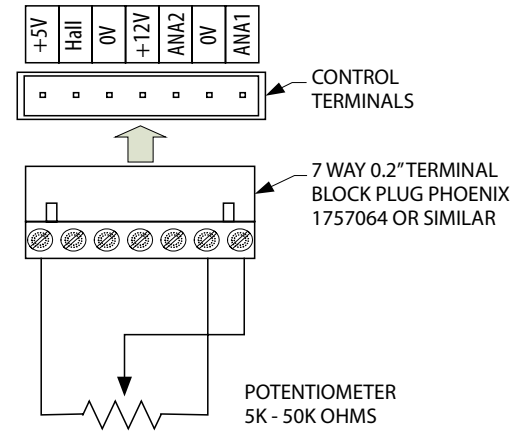
- Pre-configured to run with supplied potentiometer
- Pre-configured with soft start feature enabled
- Network compatible
- Adjustable minimum speed setting
- Closed loop control capable (temperature, pressure, etc.)

### APPLICATIONS

- Motorized impeller controls
- Motorized axial fan controls



| PERFORMANCE |         |      |
|-------------|---------|------|
| MODEL       | VOLTAGE | AMPS |
| SCN1041D    | 115     | 4    |
| SCN1042D    | 230     | 4    |
| SCN1081D    | 115     | 8    |
| SCN1082D    | 230     | 8    |
| SCN1141D    | 115     | 14   |
| SCN1142D    | 230     | 14   |
| SCN1201D    | 115     | 20   |
| SCN1202D    | 230     | 20   |



- |                      |                        |                              |                      |
|----------------------|------------------------|------------------------------|----------------------|
| 1. L-bracket         | 3. LED indicators      | 5. Address switches          | 7. Option jumpers    |
| 2. Control terminals | 4. RS485 network ports | 6. Power & motor connections | 8. Minimum speed pot |

## VFD THREE PHASE AC CONTROLS

### FEATURES & BENEFITS

- Integrated potentiometer
- Adjustable maximum & minimum speed setting
- Preset up to 15 speeds
- Network compatible
- EMI filter standard
- Temperature & pressure closed loop control capable
- Analog and digital input control
- RS-485 communication
- Single or three phase input power
- Password protection



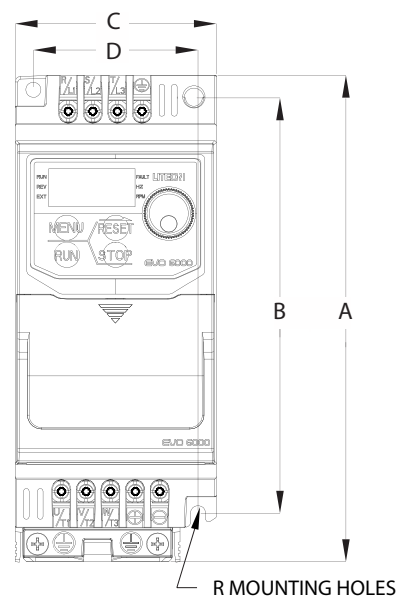
### APPLICATIONS

- Motorized impeller controls
- Motorized axial fan controls
- NEMA/IEC motor controls

### ACCESSORIES / OPTIONS

- Remote keypad
- Din mounting rail kit
- Grounding ring (NEMA & IEC motors only)

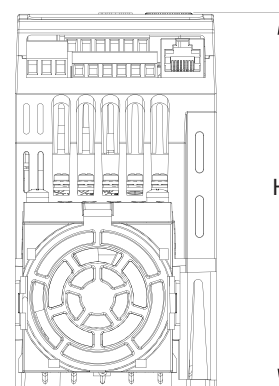
| PERFORMANCE   |                          |                 |      |    |
|---------------|--------------------------|-----------------|------|----|
| MODEL         | INPUT<br>VOLTAGE - PHASE | OUTPUT          |      |    |
|               |                          | VOLTAGE - PHASE | AMPS | HP |
| VFD-0214-21-A | 230V - 1                 | 230V - 3        | 1.6  | ¼  |
| VFD-0412-21-A | 230V - 1                 | 230V - 3        | 2.5  | ½  |
| VFD-0701-21-A | 230V - 1                 | 230V - 3        | 4.2  | 1  |
| VFD-1502-21-B | 230V - 1                 | 230V - 3        | 7.5  | 2  |
| VFD-2203-21-B | 230V - 1                 | 230V - 3        | 11   | 3  |
| VFD-0214-23-A | 230V - 3                 | 230V - 3        | 1.6  | ¼  |
| VFD-0412-23-A | 230V - 3                 | 230V - 3        | 2.5  | ½  |
| VFD-0701-23-A | 230V - 3                 | 230V - 3        | 4.2  | 1  |
| VFD-1502-23-A | 230V - 3                 | 230V - 3        | 7.5  | 2  |
| VFD-2203-23-B | 230V - 3                 | 230V - 3        | 11   | 3  |
| VFD-3705-23-B | 230V - 3                 | 230V - 3        | 17   | 5  |
| VFD-0412-43-A | 460V - 3                 | 460V - 3        | 1.5  | ½  |
| VFD-0701-43-A | 460V - 3                 | 460V - 3        | 2.5  | 1  |
| VFD-1502-43-A | 460V - 3                 | 460V - 3        | 4.2  | 2  |
| VFD-2203-43-B | 460V - 3                 | 460V - 3        | 5.5  | 3  |
| VFD-3705-43-B | 460V - 3                 | 460V - 3        | 8.2  | 5  |

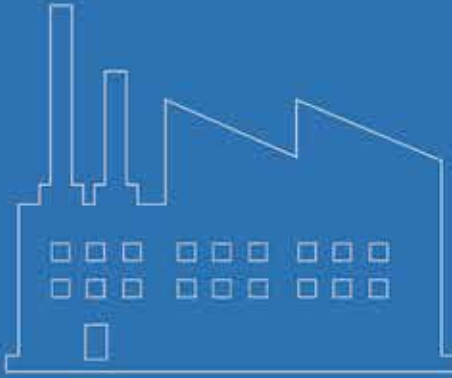


| MODEL         | DIMENSIONS IN INCHES* |     |     |     |     |     |
|---------------|-----------------------|-----|-----|-----|-----|-----|
|               | A                     | B   | C   | D   | H   | R   |
| VFD-XXXX-XX-A | 6.9                   | 6.0 | 2.8 | 2.3 | 5.3 | 0.2 |
| VFD-XXXX-XX-B | 6.9                   | 6.4 | 3.9 | 3.5 | 5.3 | 0.2 |

\*'X' DENOTES DIGIT IN MODEL NUMBER

\*DO NOT USE FOR CONSTRUCTION  
CONSULT FACTORY FOR CERTIFIED PRINTS





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