The FRC20 is an affordable, auto-reversing fan controller with soft-start to protect fan motors

**FEATURES**

- **Easy Installation**
  No setup or configuration required. Ideal for retrofit. Terminal blocks provided for easy wiring.

- **Proportional soft-start**
  Slowly ramps up fan speed to reduce mechanical shock and increase motor life. Safety is improved by slowly starting fan.

- **Solid State**
  High current, reliable solid-state output can drive up to 25-amp fan loads directly. No relays to fail.

- **Auto Reversing**
  Automatically reverses fan direction to clear debris from cooler, improving efficiency.

**OPERATION**

When TS+ and TS- input terminals are electrically connected by either a switch or thermostat, the fan controller ramps fan on momentarily in reverse to clear debris from cooler. Fan is then allowed to spin down, and ramped back on in forward direction.

Consult factory for special requirements, or other programming options.

**DIMENSIONS**

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<th>PART #</th>
<th>DESCRIPTION</th>
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<tr>
<td>FRC20</td>
<td>Fan Reversing Controller</td>
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| 4.0” | 3.5” |
| 2.1” |
| Ø0.186 (2 PLCS.) | 3.3” |
| 0.125 (2 PLCS.) | 1.0” |

**ORDERING INFORMATION**
SPECIFICATIONS

General
Power Requirement 12-24vdc, 100mA nominal + power to FAN

Outputs
Fan Solid-State proportional output. 25-Amps Max.

Operation
Reverse time 10 seconds
Ramp on time 5 seconds

Input
TS+/TS- Short together to energize fan

Dimensions
Overall 4.0” L x 2.1” W x 1” H
Mounting Hardware included.

Environmental
Sealing Potted electronic module
Storage -40ºC to 85ºC
Operating ambient temperature -40ºC to 50ºC

WIRING

TERMINAL BLOCK LABELS:

FAN + FAN OUTPUT, 25 AMPS MAX.
FAN - FAN OUTPUT, 25 AMP MAX.
GND CHASSIS GROUND / BATTERY NEG (-)
V+ 12/24V BATTERY POS (+)

TS+ THERMOSTAT INPUT (+)
TS- THERMOSTAT INPUT (-)