

Electrical

For: All models

Analog Inputs:

- (4) Temperature Sensors,
10K Ω NTC probes no polarity sensitive
- (1) Pressure Transducer,
0.5-4.5V ratiometric

Digital Inputs:

- (2) 0-5VDC max range, to interface
with dry contacts

Wire: For above use 22 AWG
stranded tinned copper 105°C
Insulated

For: 963-651C/D/E/F/G, CC0R models

Supply Voltage:

100-240VAC, 50/60Hz

Fuses F1: 5 x 20mm, 250V,
2A Fast Blow Fuse

Digital Outputs:

- (1) Bipolar Stepper Motor Output,
180mA 30V max (for EEV control)
- (1) 5VDC Pulsed Anti-Sweat Output,
15mA max (for Solid State Relay)
- (1) Fan Relay N.C.: 5A res., N.O.: 4.9 FLA @240 VAC,
Not suitable for ECM fans
- (1) Defrost Relay N.C.: 5A res. @240 VAC,
N.O. 1.9A @240 VAC or 2.8A @120VAC Pilot Duty
- (1) Lighting Relay N.C.: 5A res. @240 VAC,
N.O. 2.4A @240V or 3.6A @120V Std. Ballast

Fuses F2, F3, F4: GMC 5 x 20mm, 250V,
5A Slow Blow Fuse

For: 963-CC1A, 963-CC2R models

Supply Voltage:

115-230VAC, 50/60Hz

Relay Outputs:

Note: Power supplied to load comes from the power
supplied to the relay card

- (1) Anti-Sweat Solid State Relay Output,
115-230 V ac, 12 A Resistive
- (1) Fan Output: ½ HP @115-230 VAC, and 12A Resistive
@115-230 VAC. Not suitable for ECM fans
- (1) Curtain Closing: 115-230 V ac, ½ HP and
115-230 V ac, 12A Resistive
- (1) Curtain Opening + Schedule Output:
½ HP @115-230 VAC, and 12A
Resistive @115-230 VAC,

Fuses F5, F6, F7: 3AG/MDA 12A/250V
1/4 x 1 1/4" Time-Delay

Network Connections:

- (1) LonWorks TP/FT-10
Network @ 78kbps

Wire: 18 AWG 7/26 stranded, unshielded twisted pair (Belden
8461 or equivalent)

Mechanical

Operating Temperature:

963-651C/D/E/F/G, CC0R models -13°F to 140°F (-25°C to 60°C)
963-CC1A, CC2R models -13°F to 104°F (-25°C to 40°C)

Humidity:

0-95% RH (non-condensing)

Enclosure:

PC (dark gray)

Wiring:

Screw terminals

Mounting:

961-651C/D/E/F/G (without metal enclosure) can be Wall
mount, SnapTrack panel, or DIN rail (EN 50022)
inside kick plate or metal enclosure

Dimensions (WxHxD)

ABS Plastic Enclosure:

12.50 x 4.56 x 2.15 inches
318 x 116 x 55 mm

Metal Enclosure: 963-651C/D/E/F/G model

15.2 x 6.8 x 3 inches
386 x 173 x 76 mm

Metal Enclosure: 963-CC0R, CC1A, CC2R model

24.2 x 6.8 x 3 inches
615 x 173 x 76 mm

Compliance

Environmental: ROHS

Safety: Type 1.C Action Operating Control

UL/CUL (LISTED per UL60730-1 and UL60730-2-9)
Pollution Degree 2
Impulse Voltage: 2500V
ELV limit realized 25V, 5V