

EPC-2374

Environmental Control & Protection System

Technical Specification

General

Power Consumption	4W Max
Supply voltage	5VDC
Supply input connector	2.5mm x 5.5mm positive center

Contact Outputs

Output type	Three dry contact outputs
Form type	Form A or B (software selectable) MOV protected
Continuous current	AC: 8A @ 125VAC; 2A @ 250VAC DC: 5A @ 30VDC
Operate time	≤ 10mS
Release time	≤ 5mS
Pickup / Dropout hysteresis time	User setting configurable
Impulse withstand voltage	8kV (1.2 x 50 uS) between coil and contacts
Max switching capacity	1250VA, 150W
Max switching voltage	277 VAC, 30 VDC

Power Fail Contact Output

Output Type	Dry Contact
Form type	Form A
Continuous Current	AC: 0.3A @125VAC DC: 1A @30VDC
Operate time	3mS max
Release time	3mS max
Impulse withstand voltage	2.5KV (2 x 10 uS) between coil and contacts
Max switching capacity	37.5VA; 30W

Environmental and Inputs

RTD Type	PT100; 2 or 3 wire type
No. of RTD's	2 internal; 8 optional
RTD Range	-50 to 275 Degrees Celcius
RTD lead length	10 meters max.
RTD accuracy	+/- 2 degrees C
Ambient temp accuracy	+/- 0.3 degrees C
Ambient humidity accuracy	+/- 1.8% RH (20-80%) +/- 3.5% RH(<20% RH or >80% RH)
Dewpoint measurement	Calculated (Magnus formula)
Ambient temperature sample rate	1.5 sec
Ambient humidity sample rate	1.5 sec
RTD input sample rate	1.5 sec
System operating temperature	-40 – 85C (LCD viewable from -20 – 70C)
System operating humidity	0-95% RH

Display

Type	LCD type STN
Viewing size	38 x 16 mm
Resolution	8 x 2 backlit, user selectable contrast

Mechanical

Dimensions	4.72 x 4.06 x 2.09 inches
Weight	1.2 lbs.
Enclosure	Extruded Aluminum