



MONITORING SYSTEMS DC100 Series Display Cabinet Monitor



For on-site and remote display cabinet monitoring applications.



- Networked product
- High temperature alarming for up to 2 display cabinets
- Plant failure alarm input
- Defrost input
- Defrost not detected alarm
- Datalogging at board level
- Set up parameters maintained for restart

Product Data

Product Range

There are 2 models in the DC100 range. The DC110 is suitable for display cabinets with 2 associated case sections (master and slave cases). The DC120 provides 2 unit numbers for 2 independent case sections.

Temperature Monitoring

The DC series monitors/alarms up to 4 temperatures with a range between - 40°C and + 70°C.

Alarms

The DC series will monitor and alarm on high temperature, plant failure and if defrosts are not detected. Temperature alarms are inhibited during defrost and defrost recovery. Alarm parameters and delay periods are configurable on-site or remotely.

Datalogging

Provides comprehensive alarm reporting and datalogging when connected to a JTL Network.

Remote Access

If operating within a JTL Network, alarm parameters and alarm settings can be viewed and adjusted remotely.

Hardware

Temperature sensor inputs	4
Sensor types supported	5 kohm NTC thermistor
Optically isolated high voltage inputs	4
Datalogging memory capacity	1000 points on 4 channels

Technical Specification

Temperature sensor input 1	Air On cabinet 1
Temperature sensor input 2	Air Off cabinet 1
Temperature sensor input 3	Air on cabinet 2
Temperature sensor input 4	Air Off cabinet 2

Temperature measuring range	-40°C to +70°C
Alarm setpoint setting range	-35°C to +10°C
Alarm over temperature setting range	0°C to +25°C

	DC110	DC120
Input 1	Defrost input	Defrost input channel 1
Input 2	Not used	Defrost input channel 2
Input 3	Not used	Not used
Input 4	Not used	Not used
Input 5	Plant alarm input	Plant alarm input channel 1
Input 6	Not used	Plant alarm input channel 2
Input 7	Not used	Not used
Input 8	Not used	Not used

Communications port	RS485 2 or 4 wire selectable
Communications data rate	4800/38400 baud (auto detected)
Communications protocol	JTL Jnet zone protocol

Power supply (standard)	230 V 48-62 Hz
(optional)	110 V

Unit dimensions boxed (L x W x H)	247 x 98 x 51 mm
Unit weight boxed	0.95 kg

Ordering Information

DC110	Complete unit boxed
DC120	Complete unit boxed

Power Supply Options:

For 110 V append-110 to order code



This unit conforms with the relevant EU standards when fitted in accordance with its installation instructions.

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