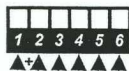


DOD DIP Switch Quick Set Up.

Gas Defrost (Compound System)

DIP Switch for Controller Set Up (Betriebsart)



On
Off

- 1 Defrost Type. _____
- 2 Defrost Type. _____
- 3 Humidity Regulation. _____
- 4 Fan Management. _____
- 5 Fans On/Off During Defrost. _____
- 6 Anti Freeze Control. _____

Gas Defrost (Compound System) RT \geq -29°C



Humidity Regulation.

Yes



No



Fan Management.

Yes



No



Fans Operate During Defrost.
(Primarily for Supermarket Cases.)

No (Normal Position)



Anti-Freeze Control.

Yes

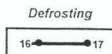
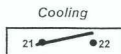


Using Supplementary Heater.

No



Position of Control Relays during Defrost.



Defrost Suppression active.



2.0 DIP Switch Settings for DOD .

The Configuration of the DOD Controller is via the 6 DIP Switches, located and accessed from the front panel of the controller.

DIP Switches are numbered 1 to 6 from left to right when looking at the panel.

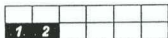
DIP Switches are DOWN for OFF and UP for ON. DOD is shipped with DIP Switches in the OFF position i.e. DOWN.

2.1 Defrost Type Selection.

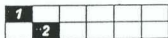
DIP Switches 1 & 2 are used to configure the controller for the type of Defrost in use.

The Controller will control all aspects of the Defrost Cycle i.e.

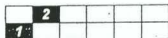
- Start of Defrost .
- Control of Defrost Heating Capacity. (Electric Defrost)
- Termination of Defrost.
- Fan Delay after Defrost.
- Snap Freeze of Coil.



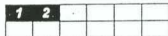
ELECTRIC DEFROST with Anti-Steaming Regulation.



HOT GAS or COOL GAS DEFROST.



OFF CYCLE DEFROST minimum room temperature 0°C.



REVERSE CYCLE DEFROST.

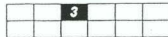
Further details and recommendations on Defrost control and methods are given in our Catalogues and Technical Literature.

2.2 Humidity Regulation.

DIP Switch 3 is used to configure the DOD where Humidity Regulation and Control are required in the Room.



NO HUMIDITY CONTROL.

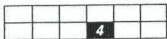


WITH HUMIDITY REGULATION, a Hygrostat is connected across terminals 1 & 2 of the DOD .
Cooler must be fitted with Climatic Heater Option.

2.3 Fan Management.

DIP Switch 4 is used to configure the Fan Management Strategy incorporated within the DOD .

The DOD offers the choice of two Fan Strategies to suit differing applications.



FAN CYCLING the Cooler Fan(s) Cycle Off with the Compressor when the Control Temperature is reached. The Fan(s) are now controlled within a closer dead band than the cooling deadband

Any demand for cooling is recognised and the FAN(S) ONLY will be activated on and off, at all times maintaining the design conditions within the store.

Should the Fan(s) not cycle within any 30 minute period, then the controller will activate the Fan(s) for a 3 minute period and control accordingly.

This strategy we call Latent Heat Control and it will achieve many benefits ...

Humidity Levels Higher than normally possible with other controllers.

Less Energy due to both Fan and Compressor off times.



CONTINUOUSLY RUNNING FANS throughout the cooling phase.

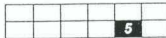
Ideal for use in Supermarket type cases.

If a Night Cover is fitted then the Controller will recognise this and instigate the Latent Heat Control strategy.

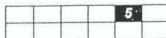
2.4 Fan Operation During Defrost.

DIP Switch 5 is used to Control the Cooler Fans during Defrost, for Supermarket type Cases only.

If the DOD Controller is configured for Off Cycle Defrost (refer section 3.1) then Fans will automatically run continuously during the Defrost.



FANS OFF DURING DEFROST this switch to be in the OFF position for normal operation.



FANS ON DURING DEFROST for Supermarket Cases only.

