

# D3 Defrost Control

## Electronic De-ice Controller

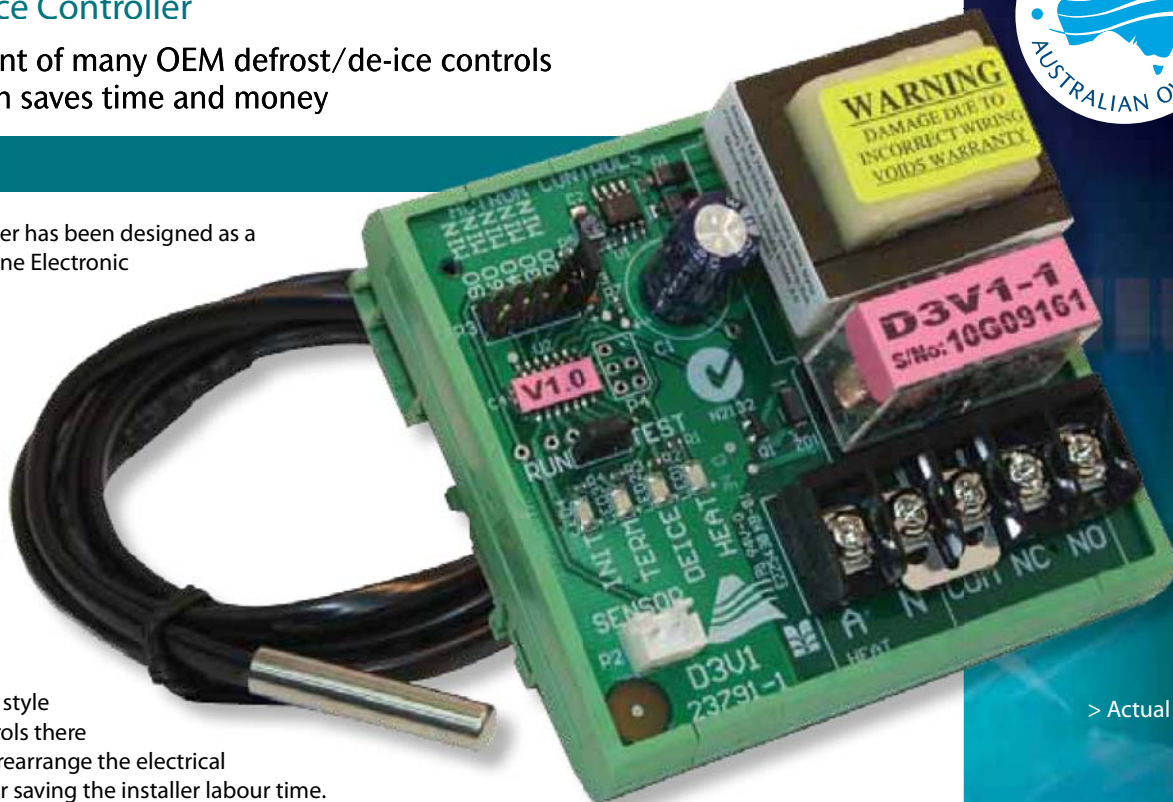
- Fits the footprint of many OEM defrost/de-ice controls
- Fast installation saves time and money



### Overview

The D3 Defrost controller has been designed as a simple to use stand-alone Electronic De-ice Controller.

The D3 Defrost control is also the ideal replacement for many of the old style mechanical or electronic defrost controls that have failed and cannot be repaired due to age or availability. By keeping the same Din rail mounting footprint and wiring as the older style electronic defrost controls there is no need to rewire or rearrange the electrical panels of the condenser saving the installer labour time.



> Actual size

Features	
Din rail mounting (H 54mm x L 79mm x W 78mm)	2 mtr double insulated coil sensor
10A Relay	Test mode
Adjustable run times	24 month warranty

D3 Specifications	
De-ice initiation temperature	-5.0 °C
De-ice termination	10 minutes or +10.0 °C whichever happens first
De-ice confirm time	3 minutes
De-ice time	10 minutes (maximum)
De-ice pending time selectable	20, 30, 40, 60, 90 minutes (20 minutes as defaults if no selection)
Operation mode selectable	"RUN" or "TEST" ("RUN" as default)
Heat call signal	230Vac +/- 10%, 50Hz
Operation indication	Four coloured LEDs ("HEAT", "DEICE", "TERM", "INIT")
Maximum switching capacity	16 Amps resistive, 8 Amps inductive at PF=0.4
Power consumption	Approx 0.3VA ~ 0.7VA at rated voltage
Ambient temperature & humidity	Operation: - 10°C to 50°C, 10% to 85% non condensing

### Safety Features

The D3 has built in safety features to prevent damage to the condensing coil in the unlikely event of a sensor failure.

1. If coil temperature sensor is faulty, the de-ice operation will default to the selected de-ice pending time (i.e.: if 30 minutes de-ice pending time is selected a defrost cycle will occur every 33 minutes for 10 minutes (30 min running + 3 min confirm time) regardless of coil temperature).
2. If no de-ice pending time is selected, it will default to 20 minutes de-ice pending time.
3. If more than one de-ice pending time is selected, the longest de-ice pending time will be used.
4. If no "RUN/TEST" mode is selected, it will default to "RUN" mode.



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