

TACm - Australia's favourite Control Alarm & Defrost for Coolrooms

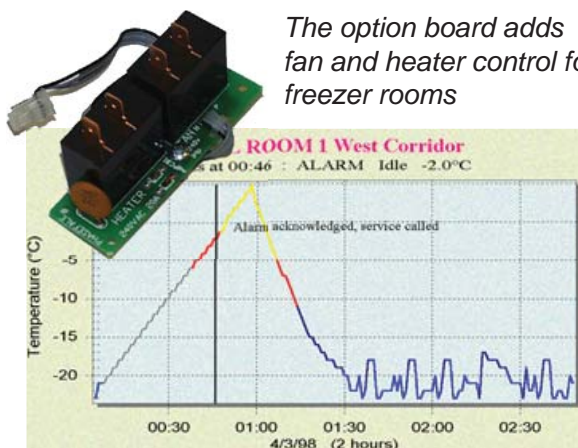


The TACm (temperature and alarm control) has always been Australia's favourite controller for cool rooms. Since 1989 it has been installed in tens of thousands of cool rooms in the most prestigious locations (Casinos, Olympic villages, the MCG, even the Lodge!) and given reliable service. In its versatile and attractive wall mounting enclosure, the TACm sets standards for looks as well as reliable operation. TACm offers the simplicity of a single model suitable for both cool rooms and freezers, user friendly programming, that's why installers and users around Australia just love it. TACm is endorsed to be used in HACCP food safety programs.

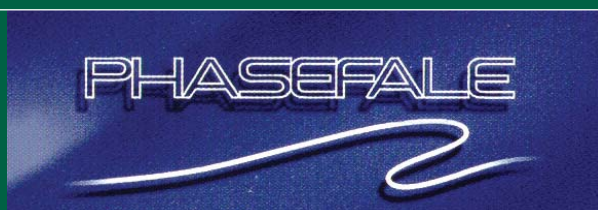
Cool Room & Freezer functions:

- On/off solenoid or compressor control
- Off cycle defrost (electric with option board)
- Fan and Heater control using option board
- Fan delay and heater drain time functions
- Sophisticated Alarm functions; high/low limits with delay and memory
- Alarm outputs include light, buzzer and dialler
- In-built highest lowest temperature logs for last 99 hours)
- Output cycle test
- Manual defrost initiate and termination
- "time to" and "time from" last defrost display
- Anti-short cycle adjustable timer limits compressor starts per hour
- Defrost termination by time and or by temperature with addition of 2nd temp. sensor
- Display of settings by single keypress
- Plus too many more features to list here!
- **Included! Precision Temperature sensor with 6m lead**
(defrost termination also available as option)
- Available from wholesalers throughout Australia
- "Easy touch" Silicon keypad
- Straight or tilted (when up high) mounting options
- Manufactured in Australia to international standards
- Panel mount with Stainless Steel Fascia also avail.

The option board adds fan and heater control for freezer rooms



TACm is endorsed by HACCP for food safety programs (#PE-382-PF-01). Also available - JouleTemp where a PC interface is required.



CONTROL

MONITOR

PROTECT

TACm - Features, Options & Specifications

- Digital display of temperature.
- Precision temperature control.
- Compressor Anti-short cycle timer.
- Comprehensive defrost control.
- Complete alarm function.
- Strong splash proof enclosure.
- Hourly logging of temperatures.
- Self test function.
- Digital output for remote comms.
- Programming with permanent memory
- Sensor Calibration function
- Silicon Rubber Keypad
- Straight or Tilt mounting
- Pre Moulded Conduit Entry points

The TACm's capabilities can be divided into four main areas, Control, Defrost, Alarm and Logging. In addition, a wide range of options are available to tailor the TACm to your application and budget.

CONTROL

The control output can operate heaters or refrigeration plant. The temperature set-point and differential are programmable from -35°C ~ +55°C with a 0.5°C ~ 5.0°C differential. The set-point may be varied by an optional connection to potentiometers, switches or time clocks. A four minute off-timer prevents damage to compressor motors. The output indicator shows the control status.

DEFROST

An in-built clock initiates 0-6 defrosts per day, which may be terminated by time (1-99 min), temperature (0°C ~ 20°C) or an external control such as thermostat or pressure. Coil fans (to 1Hp), heaters to 3.7kW or hot gas solenoids can be switched with the TACm/PCB option. Fan (0-9.9min) and drain delay (0-10) periods are programmable. The "time to" and "time from" defrosts is displayed at the touch of a key. Defrosts

may be manually initiated or terminated at any time.

ALARM

The alarm function has programmable high and low temperature limits (-40°C ~ +60°C). A time delay (0-99 mins) prevents false alarms. A wide range of devices can signal the alarm including a flashing light (240VAC 10A), 12V buzzer, security systems and telephone diallers. The alarm outputs may be acknowledged by staff for 0-60 minutes but will re-occur if the alarm conditions remain. A memory display indicates an alarm has occurred but conditions have since returned to normal. A distress switch may be wired which will activate the alarm outputs immediately.

LOGGING

The highest and lowest temperatures reached are stored hourly. The previous four days logs can be viewed at any time.

OPTIONS

TACm/PCB The defrost option board has 1HP fan and heater outputs for freezer applications.

MProbe: defrost termination sensor

PSB30 Battery backup allows operation and logging to continue during mains power failure.

TACm/L240V Alarm light with domed lens.

TACm/B12V Alarm buzzer, 12V DC

AD2 Voice Dialler with battery backup

COMPLOG : Not for new design: a system to meet HACCP requirements now superseded by JouleAlarm/

JouleTemp see separate brochures.

GENERAL SPECIFICATIONS

Supply voltage 240VAC +/- 5%

Control output 240V 10A resistive [1Hp]

Temperature range -40.0°C ~ +60.0°C

Accuracy 0.3°C (-35°C ~ +30°C)

Dimensions 190x125x90 mm

Sensor Fully immersion proof. May be wired up to 100m from unit.

Shipping Weight ~ 1.7kg approx.

PACKING LIST

1x Cardboard carton, 280x185x115mm

1x TACm control, 1x sensor with 6m lead

1x instruction set, 1x warranty reg. card

1x Quick reference card



Flush mounting Stainless steel version - ideal for food preparation areas.

Revision 9/2008

