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You can read the recommendations in the user guide, the technical guide or the installation guide for HONEYWELL CM907-TRV. You'll find the answers to all your questions on the HONEYWELL CM907-TRV in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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Honeywell

CM907- TRV PROGRAMMABLE THERMOSTAT

PRODUCT SPECIFICATION SHEET



The **CM907-TRV** thermostat is designed to provide automatic time and temperature control of heating or cooling systems in villas and apartments. The **CM907-TRV** is especially useful to control boilers in heating systems where an alternative heating source is used on a temporary basis (see FEATURES below).

It can be used as part of a system in conjunction with combi-boilers, oil-burners and gas fired boilers, circulation pumps, thermal actuators, zone valves and electric heat systems ($\leq 8A$).

The **CM907-TRV** is designed with the installer in mind and includes a moulded back-plate with trunking guides and wiring breakouts to make installation quick and easy.

The **CM907-TRV** extra large LCD display, dynamic text display, button layout based on the same simple programming philosophy used on our acclaimed CM60 products and the introduction of an 'OK' button, makes it easier to install and more user friendly.

The unit is ideal for consumers who want reliable precise temperature control from a modern looking, simple to

FEATURES

- Attractive, slim, ultra-modern styling makes it ideal for location in any type of home.
- 7-day heating program.
- A dynamic text display on the LCD that gives enhanced feedback to the user / installer.
- Up to 6 daily independent time and temperature level changes let you set 6 time and temperature pairs to suit your lifestyle.
- LCD Backlighting to illuminate the display for easier viewing in low light conditions.
- Temporary programmed temperature override to override the programmed temperature till the next switch point.
- The TRV mode allows using the fireplace in the living room without compromising comfort in the rest of the house. When TRV mode is active the boiler is kept constantly on whilst Thermostatic Radiator Valves control temperature in the house. The TRV mode can either be pre-programmed or switched manually.
- TRV button allows activation on or cancellation of the TRV mode manually whenever this type of control is required.
- Party feature that temporarily maintains a selectable constant temperature for 1-23 hours, then returns to normal operation.
- Holiday button that provides energy savings by reducing to a constant temperature from 1 to 59 days when people are on holiday, returning to normal operation (AUTO or MANUAL) on the day of their return.
- Room Temperature Enquiry.
- EEPROM memory holds the user program indefinitely.
- OFF position has an integral frost protection so that pipes in the house will never freeze in winter.
- 24...230V 8A resistive, 3A inductive SPDT relay provides compatibility with most domestic central heating systems reducing the need to stock many different models, indicators.

- Minimum battery life of 2 years with low battery warning indicator.
- Built-in default heating program.
- Automatic Summer / Winter time change adjusts the time automatically to daylight saving time.
- Telephone interface can be fitted to allow remote switching between program modes and a fixed set-point.
- Surface or wall-box mounting options with trunking guides and wiring breakouts to simplify installation.
- No installer links or special installer switches on the back of the unit mean no adjustment is required for combi-boilers and most domestic central heating systems.
- User Set-Up Mode allows extra functions to be set at the discretion of the user:
 - AM-PM or 24hr time display.
 - Resetting the heating profile to factory default.
 - Enable / disable of Auto Summer / Winter time change.
 - Languages selection of the user interface.
- Installer Set-Up Mode allows extra functions to be set at the discretion of the installer to match the consumers applications and needs:
 - Optimisation.
 - Pump Exercise.
 - Upper / Lower Set point Limit Adjust.
 - Temperature offset.
 - Minimum ON time.
 - Cycle rate.
 - Heat / Cool operation.
 - Proportional Band Width.
 - Diagnostic Mode to assist in faultfinding.

EN01 8555 UK07 RD 09/06



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Manual abstract:

The CM907-TRV is especially useful to control boilers in heating systems where an alternative heating source is used on a temporary basis (see FEATURES below). It can be used as part of a system in conjunction with combiboilers, oil-burners and gas fired boilers, circulation pumps, thermal actuators, zone valves and electric heat systems (<8A). @@@@7-day heating program. @@@@LCD Backlighting to illuminate the display for easier viewing in low light conditions. Temporary programmed temperature override to override the programmed temperature till the next switch point. The TRV mode allows using the fireplace in the living room without compromising comfort in the rest of the house. When TRV mode is active the boiler is kept constantly on whilst Thermostatic Radiator Values control temperature in the house. The TRV mode can either be pre-programmed or switched manually. TRV button allows activation or cancellation of the TRV mode manually whenever this type of control is required. Party feature that temporarily maintains a selectable constant temperature for 1-23 hours, then returns to normal operation.

Holiday button that provides energy savings by reducing to a constant temperature from 1 to 99 days when people are on holiday, returning to normal operation (AUTO or MANUAL) on the day of their return. Room Temperature Enquiry. EEPROM memory holds the user program indefinitely. OFF position has an integral frost protection setting at minimum 5°C (installer adjustable) so that pipes in the house will never freeze in winter. 24.

..230V 8A resistive, 3A inductive SPDT relay provides compatibility with most domestic central heating systems reducing the need to stock many different models. indicator. The unit is ideal for consumers who want reliable precise temperature control from a modern looking, simple to program and easy to use product Minimum battery life of 2 years with low battery warning indicator.

Built-in default heating program. Automatic Summer / Winter time change adjusts the time automatically to daylight saving time. Telephone interface can be fitted to allow remote switching between program modes and a fixed set-point. @@@@Resetting the heating profile to factory default. Enable / disable of Auto Summer / Winter time change. @@Pump Exercise. Upper / Lower Set point Limit Adjust. Temperature offset. Minimum ON time. Cycle rate.

Heat / Cool operation. @@@@2. 3. 4. 5. 6. 7. 8. 9. 10.
11. 12. 13. 14. 15.

16. 17. 18. 19. @@Low voltage wiring rear right.

@@@@@@@@@or buttons to change the factory d) Press the TEMP setting. The display will flash indicating that a change has been made.

@@@@@@@@@@@@@To change Cycle/Hour, please go to parameter n. 2, category 2 in the installer set-up mode. b. To change Minimum ON Time, please go to parameter n. 1, category 2 in the installer set-up mode. No action required 1. Set Minimum ON Time to 4 minutes. 2.

Set Cycle/Hour to 3. Set Cycle/Hour to 12. No action required. 1. @@@@2. Set Cycle/Hour to 12. 1. @@@@Modify the cooling program as required. Heating Gas Boilers (<30KW) Oil Boiler Thermal Actuator Zone valve Electric heating (for applications <8A) 6 3 12 6 12 1 4 1 1 1 Air conditioning Heat Pump/ Air conditioner 2 Fan coil 3 6 4 1 1. Set Minimum ON Time to 4 minutes.

2. Set Cycle/Hour to 3. No action required. 3 EN0H 8555 UK07 R0 09/06 CM907-TRV CHRONOTHERM Special Features Optimisation (Variable Start Time) Adaptive Intelligence recovery TM Description The thermostat will adjust the start time in the morning/afternoon so the desired temperature is reached by the start of the program period e.g.

Time o 7:00, Temp 21 C. The thermostat will monitor the accuracy of the start up and use this information to modify the calculation for the following day by changing the ramp rate (initial 3 K/hr) .The system will restrict the start time to a max of 2 hours. Note: Optimisation will not work in cooling mode. Change display format (default 24hr).

When enabled the Pump Exercise will switch the relay on for 1 minute at 12:00 if the relay has not been switched on since 12:00 the previous day. While in Holiday mode the Pump Exercise feature, if enabled, will operate. The normal upper temperature limit of 35 C can be o reduced down to 21 C to save the homeowner energy. Useful if the homeowner rents to tenants. The normal lower temperature limit of 5 C can be o increased up to 21 C to protect the inhabitants from cold. Useful if the inhabitants include the elderly, children or disabled. If the thermostat is located in a hot/cold location and cannot be moved because of wiring then the measured/ o displayed temperature can be adjusted by +/- 3 C. Useful if the homeowner wants the reading to match another appliance temperature display. Can be adjusted up to 3 C (default is 1.5 C) to provide better temperature control (less overshoot).

Useful for: a. Well insulated homes with over-sized heating systems. b. Air systems with fast response. o o o o What to do if we wish this feature Set parameter n.8, category 1 in the installer set-up mode to 1. AM-PM/ 24hr Display Pump exercise Set parameter n.1, category 1 in the installer set -up mode to 12.

@@@@@@@@The thermostat will read the outside temperature every 10 minutes. Outside temperature display range is from -30 o o C to +45 C.

The sensor can be connected up to 50 meters from the unit. @@It will read the remote sensor every 1 minute. The sensor can be connected up to 50 meters from the unit. Useful for commercial premises where the public may tamper with the product. What to do if we wish this feature 1.

Fit the sensor (instructions included in the sensor package). 2. Set parameter n. 10, category 1 in the installer set-up mode to 1. Remote Temperature Sensor (F42010972 001) 1.

Fit the sensor (instructions included in the sensor package). 2. Set parameter n. 10, category 1 in the installer set-up mode to 2. 4 EN0H 8555 UK07 R0 09/06 CM907-TRV CHRONOTHERM Parameter Installer SetUp Number / Abbreviation (Press + or keys to select) Factory Setting Optional Setting Installer SetUp Category (Press PROG keys < or > to select) Display Category 1: Thermostat Parameters AM-PM / 24hr Display RESET Time / Temperature Program 1:Cl 2:rP 24 1 24 hr clock display Time / Temperature profile set to factory default Changes to 0 when one of the time/temp profiles are changed Automatic Summer/Winter Time Change En.



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