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compressor stop. SETTING: the set point temperature and the differential (hysteresis), are set by the user. Defrost cycle duration and the interval between two consecutive cycles are settable too. Users are allowed to manage operating parameters

managing defrost cycles by time by simple

USER-FRIENDSHIP: the RD31 stands out for the innovative design of the ColorLine series, based on the only push button on the frontal mask and on the new alphanumerical system to visualize parameters that permits a quick and intuitive controller setting. Available on request the version with the "ENCO" push button, a new and exclusive tool to have access to the instrument configuration in a practical and intuitive way, by simply pressing and rotating the knob on the frontal mask.

(max./min. temperature alarms, °C/°F choice,

probe error correction, keyboard locking, etc.).

INPUT: the RD31 is provided with 1 input for PTC standard probe for medium-low temperatures. For applications up to 270 °C

Data storing: on not volatile memory Operating temperature: -5 χ +65 °C (+23 χ +149 °F) Stocking temperature: -30 χ +75 °C (-22 χ +167 °F) Relative humidity: 20 χ 85 % (not condensing) Measure range:-55 χ +150 °C (-67 χ +302 °F) for PTC probe; -25 χ +270 °C (-13 χ +518 °F) for PTC-300 probe Output: 1 on a SPDT 8(3) A 250 Vac relay (on request, SPDT 16(8) A 250 Vac or SPST 30(15) A 250 Vac) (*) 2nd optional alarm relay SPST 5(2) A 250 Vac (**) Analogue input: 1 for PTC/PTC-300 thermostatic probe

Resolution: 0.1 °C (0.2 °F)

Accuracy: better than 0.5% f.s. \pm 1 digit

Power supply: standard 12 Vac/dc ± 15%; available 230 Vac +5/-10% 50/60 Hz through built-in transformer (*): with only-ohmic loads, the max. amperage tolerable for the terminal board is 24 A

(**): with the 2nd alarm relay, the

main relay can be not bigger than 16 A

(518 °F) it can use the innovative PTC-300 probe. Furthermore, it can manage 1 digital input to check door state (open/close), for energy saving, etc. The "Quick-Key" programming connector is also available; through it users can quickly and easily reset default values of operating parameters.

OUTPUT: it is provided with 1 relay for 8 A loads (16 A or 30 A on request). The alarm condition can be managed through an internal buzzer, or through a 5 A relay, for external drive (in this case the main relay can be not bigger than 16 A). On request the serial output RS-232 type is available. This allows the connection with external devices.

POWER SUPPLY: it can be connected directly to the supply mains with 230 Vac voltage (115 Vac on request) through the internal transformer. It can be supplied with switchingmode facility (12-24 Vac/dc). This feature is a decisive factor for the automotive field, where voltage rushes can be relevant.



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