

## **INSTAT 7** **0527 49**

## **Programmable thermostat INSTAT 7 0527 49**

### Applications:

- convection ventilation tubes 2 / 4 tubes (fan coils)
- Heat pumps (reversing valve)
- Air conditioning reversible
- Apparatus refrigerants with / without electric heating

### Features:

- Control ON / OFF
- LCD display simultaneously clear and the ambient temperature, function and ventilation chosen
- Permanent display of actual temperature
- Programming: 4 buttons (Mode +/- OK)
- Conduct menu
- 5 relay outputs max.
- Stand-by (sleep)
- Automatic heat / cool
- Adjustable Neutral Zone
- Control of manual ventilation with 3 positions
- Automatic Ventilation (fan operation with heating and cooling, 3 speed based on the difference temperature)
- Timeout compressor sector after failing in an operational mode and at switching function
- Duration of enslavement ventilation (1 min for heating)
- Automatic temperature sensors int. / ext.
- Saving data after permanent loss of tension

### Options:

- 2 x 2 x heat and cool off (adjustable neutral zone)
- Release valve for reversal
- Function thaw
  - Auxiliary heating electr. for heat pumps
- Regulation by temperature mode refresh
- remote sensor
- Contact window
  - Air-Sweep ON / OFF
- Timer ON / OFF (adjustable from 10 min. 99H at 50 min.)
- Function master / slave (slaves are triggered when the master is triggered)
- Version hotel
  - ON / OFF (break of the unipolar voltage)
- Operating voltage AC 230V or AC 24V

### Technical Data :

- Display temperature records: 15...30° C (0.5 K resolution)
- Display temperature: 0...40°C (0.1 K resolution)
- Operating Voltage: AC 230 V 50 Hz, AC 24V
- Power consumption: 8W
- Display: LCD display simultaneously the temperature and ventilation functions chosen



- Operating temperature: 0...40° C
- Storage temperature: -20...70° C
- Method of control: ON / OFF
- Interval measure: 15...45 sec.
- Timer: 10 min to 99 h 50 min - 1 min resolution, accuracy <1 min / day (20° C), resolution time of 10 min
- Relay (5 relays max. Variant): 5A (cosφ = 1, AC 250 V) / 2A (cosφ = 0.6, AC 250 V), max. L per terminal: 10A
- Hysteresis of heating 1.1 K, for refreshment: 1.3 K
- Neutral Zone "heat/cool": 0 K...5 K (0.5 K resolution) adjustable
- Neutral Zone "heat 1/ Heat 2" : 0...5 K (0.5 K resolution) adjustable
- Neutral Zone "refresh 1/refresh 2: 0 K...5 K (0.5 K resolution) adjustable
- Compressor Time: ~ 4 min
- Asservissement fan: ~ 1 min
- Contact window: use as probes class prot. II (AC 230 V), window = contact closed
- Protection class of enclosure: IP 40
- Protection against humidity : no condensation
- Mounting: wall mounting or direct mounting on box
- Probe: NTC (integrated camera)
- Remote sensor (optional): F 193 720 supports up to 10 m
- Enclosure Color: white, similar to RAL 9010
- Weight: 175 g
- N ° de réf. Complete: see alternatives matrix on page 32 of technical manual