#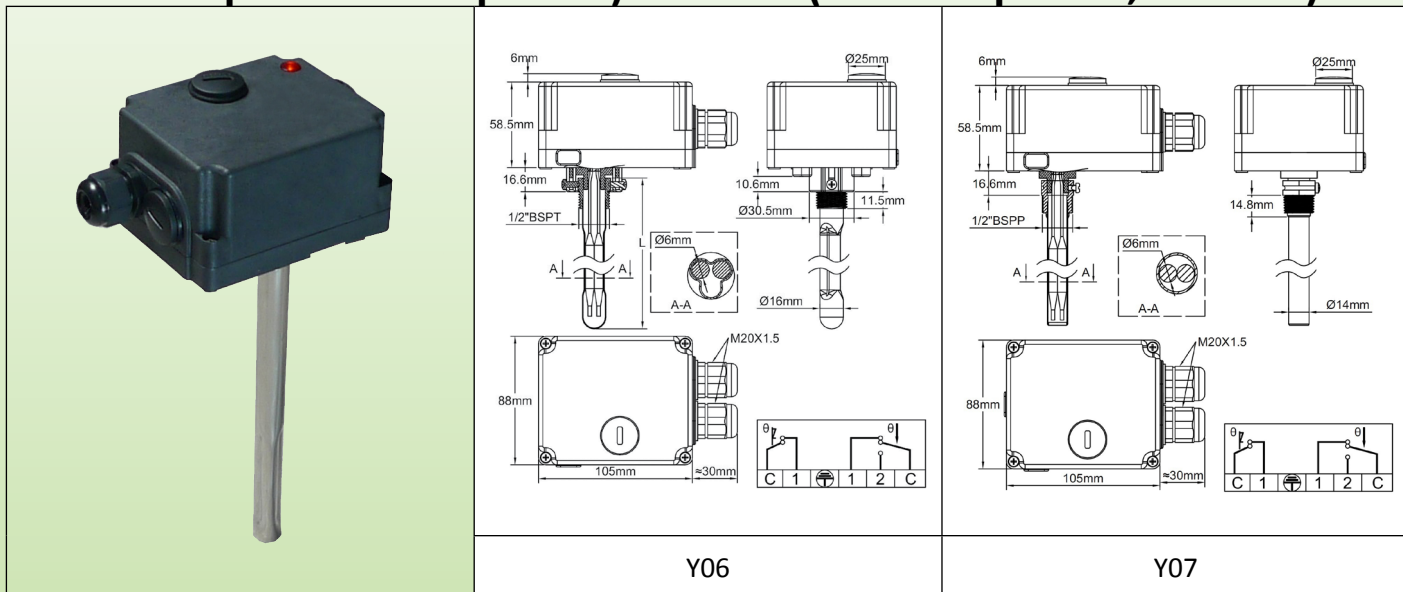 Combination of adjustable set point thermostat and manual reset high limit, IP54 commercial housing, types Y06 (With ½"BSPT nickel plated brass pocket) and Y07 (AISI 304 pocket, ½"BSPP)



Y06



Y07

## Main applications

Temperature control and safety on storage water heaters, solar heating tanks, boilers.

**Housing:** IP54, 105 × 88 × 58.5 mm, (Cap, accessories and cable gland not included), black PC-ABS, UL94V0. High impact and UV resistance.
Product including an adjustable temperature control thermostat and a fixed setting high limit manual reset thermostat. Manual reset has access from outside, by removing a cap.
**Electrical input:** two M20 cable glands.
**Temperature Adjustment:** Inside, with °C printed knob. (°F printed knobs available in option)
**Sensing element:** Liquid filled bulb, located inside a backside mounted nickel plated brass pocket.
**Adjustment ranges:** 0-60°C (32-140°F); 30-90°C (85-195°F); 30-110°C (90-230°F)
**Pocket length (L):** 205mm (standard), 170, 300, 450 and 600mm on request
**Electrical connections:** screw terminals
**Mounting:**
- Y06: by the ½"BSPT (taped) brass pocket fitting
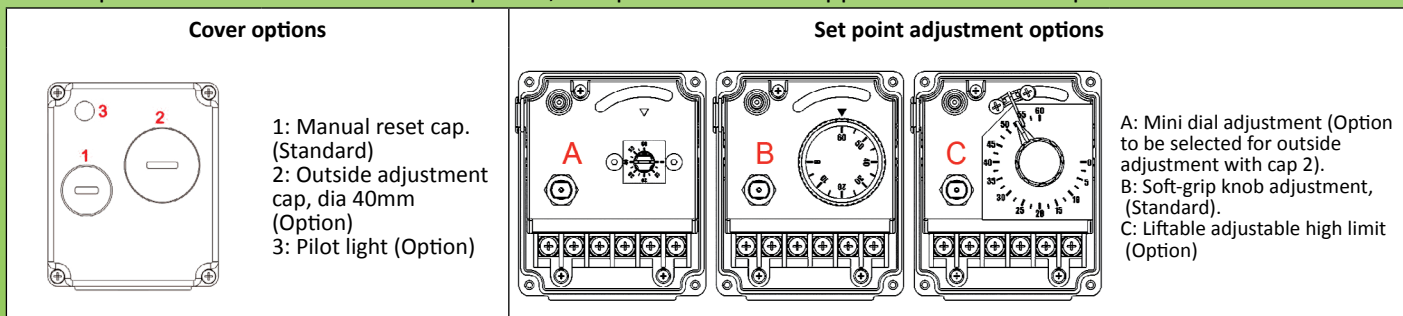- Y07: by the ½"BSPP (parallel) brass pocket fitting
**Control thermostat contact:** SPDT
- Open on temperature rise contact (C-1) 16A (2.6) 250VAC
- Close on temperature rise contact (C-2) 6A (0.6) 250VAC
- Electrical life >100,000 cycles.
**Manual reset thermostat contact:** Failsafe, open by temperature rise; 16A (2,6) 250V alt.
**Options:**
- Power supply "energized" pilot light (Neutral is mandatory, and thermostat contact is open on rise only, not SPDT). Other pilot light wirings are possible on request.
- Liftable adjustable high end adjustment on control thermostat.
- Outside access to the control thermostat adjustment (By removing a 40mm dia. cap)
- Thermal cut out incorporated inside the pocket.
- These products can be made without pocket, for special customer applications and incorporation.

### Cover options



1: Manual reset cap. (Standard)
2: Outside adjustment cap, dia 40mm (Option)
3: Pilot light (Option)

### Set point adjustment options



A

B

C

A: Mini dial adjustment (Option to be selected for outside adjustment with cap 2).
B: Soft-grip knob adjustment, (Standard).
C: Liftable adjustable high limit (Option)

## Main references (with 205mm pocket)

| Temperature ranges °C (°F) | Manual reset calibration °C (°F) | Cap access manual reset | Cap access manual reset, liftable adjustable high stop | Cap access manual reset, liftable adjustable high stop, power supply "on" pilot (230V) | Differential °C (°F) | Max temperature on rod °C (°F) |
|---|---|---|---|---|---|---|
| 0-60°C (32-140°F) | 80°C (176°F) | Y06MS00060A20080 | Y06ME00060A20080 | Y06NE00060C20080 | 4±3°C (7±5.5°F) | 90°C (195°F) |
| 30-90°C (85-195°F) | 110°C (230°F) | Y06MS30090A20110 | Y06ME30090A20110 | Y06NE30090C20110 | 4±3°C (7±5.5°F) | 120°C (250°F) |
| 30-110°C (90-230°F) | 130°C (266°F) | Y06MS30110A20130 | Y06ME30110A20130 | Y06NE30110C20130 | 5±3°C (9±7°F) | 150°C (300°F) |

Aisi 304 pocket: replace Y06 by Y07.
Versions with °F printed knobs: replace S by T or E by G in the reference.

## Knob and dial printings

| Type | °C Printing | | | °F Printing | | |
|---|---|---|---|---|---|---|
| | 0-60°C | 30-90°C | 30-110°C | 32-140°F | 85-195°F | 90-230°F |
| Standard softgrip knob |  |  |  |  |  |  |
| Miniature knob dial for outside adjustment |  |  |  |  |  |  |
| Adjustable stop big dial |  |  |  |  |  |  |

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