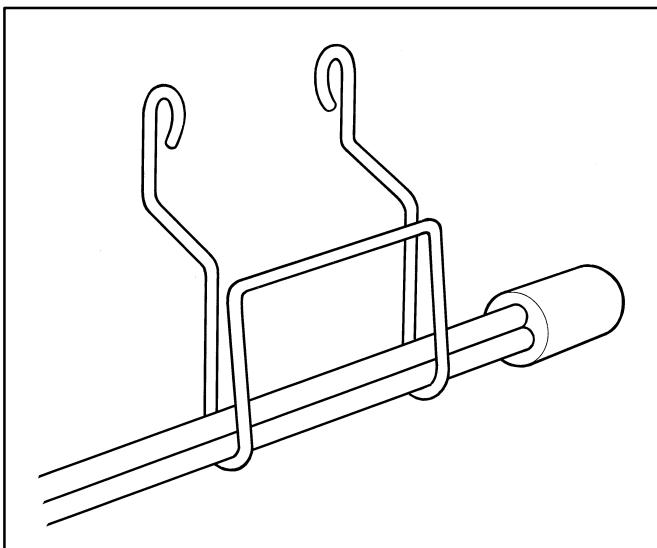


# F42009537-001

## OUTSIDE TEMPERATURE SENSOR FOR USE WITH *CM67* CHRONOTHERM

### PRODUCT SPECIFICATION SHEET



## FEATURES AND BENEFITS

### Consumer

- **The OTS** makes the temperature outside available at the touch of a button
- **Avoid false forecast** of weather conditions on a cold but sunny day

### APPLICATION

The F42009537-001 Outside Temperature Sensor (OTS) is designed to provide the *CM67* Chronotherm with the capability of detecting and displaying the outside temperature.

The Sensor is sealed to protect against water and contaminants and comes complete with an easy-mount clip and 2m of cable which fits into the *CM67* terminal blocks.

The Outside Temperature Sensor is ideal for consumers who wish to gauge the weather conditions and temperature before venturing outside.

### Installer

- **Easy mount clip** ensures minimum fuss when installing
- **Simple connection** to terminal blocks in *CM67*
- **Quick set-up** through installer mode
- **Can be used** with up to 50m of cable to allow optimum positioning of sensor

## SPECIFICATIONS

**Operating Ambient Temperature Range** : -25°C to 45°C  
(-13°F to 113°F)

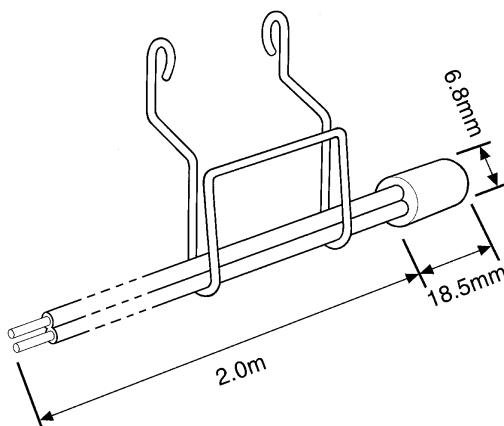
**Operating Relative Humidity** : 0% to 95% RH

#### Accuracy

*Standard 2m of Cable*  
-25°C to 45°C : +/- 1°C

*50m of Cable*  
-25°C to 0°C : +/- 1.4°C  
0°C to 45°C : +/- 1.2°C

## DIMENSIONS



## LOCATION AND MOUNTING

For optimum performance mount the sensor where

- Setting cannot be tampered with
- There is good air circulation
- Wire distance sensor and CM67 is less than 50m
- 2/3 of the way up outside wall

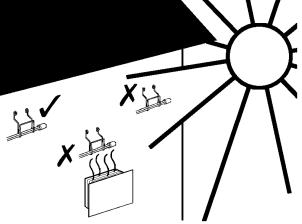
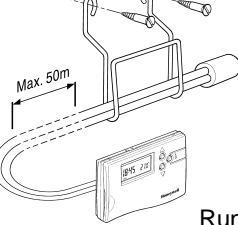
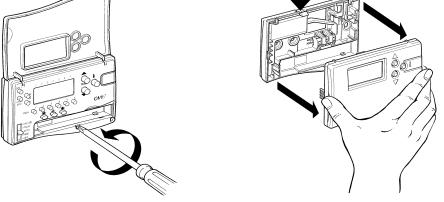
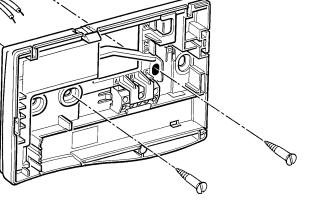
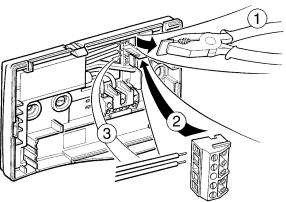
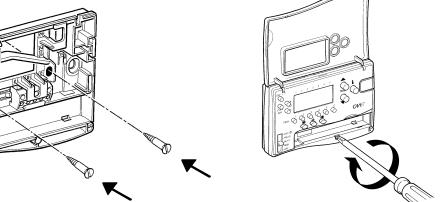
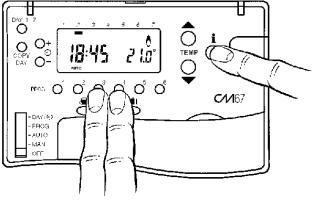
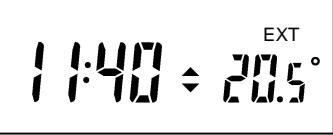
Do not mount the sensor

- In direct sunlight
- Near discharge vents or fans
- Near motors, lines starters, lighting ballasts or any other inductive load

## CHARACTERISTICS (NTC)

| T (°C) | R (kΩ) +/- 1% |
|--------|---------------|
| 0      | 316.6         |
| 10     | 195.8         |
| 20     | 124.3         |
| 25     | 100           |
| 30     | 80.9          |
| 40     | 53.83         |
| 50     | 36.57         |

## INSTALLATION

|  |  |
|--|--|
|  <p>Mount sensor in appropriate location</p>   |  <p>Run cable from sensor to CM67</p>   |
|  <p>Disconnect CM67 from mains electrical supply and remove front cover</p>   |  <p>Remove CM67 from wall</p>  |
|  <p>Insert Terminal Blocks and remove plastic tab covering terminal blocks marked 3 and 4. Insert cable through rear of</p> |  <p>Replace front cover and remount unit</p>   |
|  <p>Use the rubber buttons as directed in installer instructions to commission the OTS</p>                                  |  <p>After 1 minute press <b>I</b> twice and outside temperature will be displayed (can take up to 5 minutes for OTS to settle)</p> |

**Honeywell**