



*heating and plumbing products  
that won't cost the **earth***

**Under floor heating  
wireless control system  
CoMtrol Command Centre**



# Under floor heating wireless control system - CoMtrol Command Centre

## Description

The CoMtrol Command Centre is designed for use with under floor heating systems and has low voltage outputs to the 24v actuators on the heating manifold and 240v switching via a relay for the pump/boiler. It is designed to be used with the IM-ACATRALTA transformer and is available in 4, 6 and 8 channel versions.

Installation is simplicity itself, yet the receiver provides many useful features. The control system is low voltage, 24v and once the installation is complete, on final connection the unit is simply connected to the 240v mains supply using the fitted three pin plug.

Each channel is wired using 24v connections to the thermo-electric heads (TEH) on the distribution manifold. Each roomstat is 'tuned' in to one or more channels on the receiver, and when that roomstat calls for heat, the receiver actuates the TEH and opens the port on the manifold that serves that zone (or zones).

The pump connection for the underfloor heat is also provided so that the whole system is fully integrated, making for fast set up and simple operation.

The in-built antennae has a receiving capability of 50M (subject to clear signal path) but an additional antennae can be purchased for improved reception if required.

The unit is just one part of a complete radio frequency system and it works only in conjunction with the CoMtrol range of intelligent thermostats, controllers and programmers.

## Specification

- 480mm L x 67 mm H (inc cons) x 48mm D
- Fuse 2A
- Power supply by external transformer class II type (product code IM-ACATRALTA).
- Built in receiver and antennae (reception to approx 50M with clear signal)
- Optional antennae can be added to terminals to enhance signal reception or allow remote antennae installation to provide best position for signal reception.
- LED indicators RED for room thermostat link and GREEN for remote control or programmer link for each channel
- One button programming. Small orange button on RHS of channels activates new signal link with room thermostat, remote control or programmer. Channel selection runs sequentially from position 1. (Allow time between each new command for the instruction to set to memory, 'learning mode')



**CoMtrol Command Centre front panel**



**Transformer  
code: IM-ACATRALTA**



**Optional Antennae  
code: IM-ACAREALTA**

description	code
4 channel CoMtrol Command Centre	IM-REB4CALTA
6 channel CoMtrol Command Centre	IM-REB6CALTA
8 channel CoMtrol Command Centre	IM-REB8CALTA
Transformer	IM-ACATRALTA
Additional antennae	IM-ACAREALTA

Intaeco Limited  
Airfield Industrial Estate  
Hixon, Staffordshire ST18 0PF

t: 01889 207200 f: 01889 270577  
e: sales@intaeco.co.uk w: www.intaeco.co.uk

# Under floor heating wireless control system - CoMtrol Command Centre

## Features

If no transmission is received from any individual room thermostat after a period of 3 hours, the linked channel will then follow a 7 min on/21 min off sequence for back up. This is a very useful feature, providing heat even though the battery on the room thermostat may have run down or been removed by the user.

In addition, although a “stop” signal takes effect immediately, any other mode change effected through the remote control or programmer will only be effective when the next temperature signal is received (normally after a maximum delay of 10 minutes).

The pump will run on for 2 minutes on any occasion when the pump is switched off. In addition, when any channel is activated, the relay switches the pump on.

## Power Supply

- External transformer class 2 type, 230V AC/24V AC ( $\pm 10\%$ ) 48VA protected against short circuit
- For each channel
  - Push button
  - Red and Green LED for signals
  - Output: for 24V wax motor control. 0.25A per output (2 motors max.) 2 terminals per output.
- Built in RF receiver
- connection with external receiver possible
- terminal block for pump connection

## Wiring Diagram

