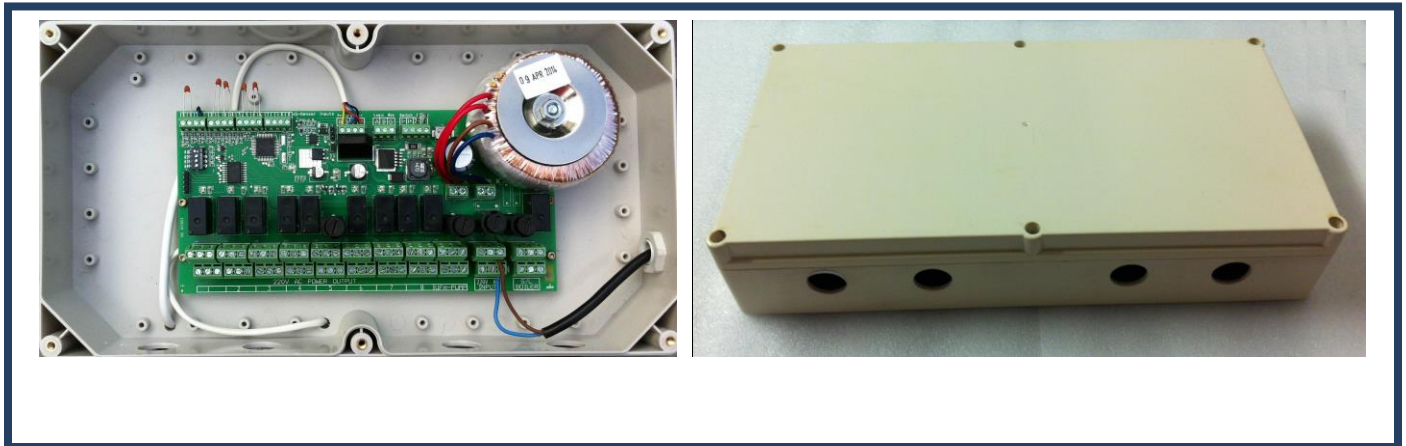


## iCon –I/O Relay Board (Model CC773–r10-i8-d2)



### Model

|             |  |
|-------------|--|
| Model       | CC773–r10-i8-d2  |
| Description | 8 Relay Outputs : Zone+ Boiler+ Manifold Pump+ Selectable DHW<br>8 Probe Temp Inputs<br>2 Digital Inputs |

### Communications

|                            |   |
|----------------------------|---|
| RS485                      | Baud Rate: 4800                                       |
| Protocol                   | Contact Supplier for Protocol Specification           |
| Max Overall Network Length | 150m (Across all devices with any R10i8s2 in system ) |

### Mechanical

|                   |                               |
|-------------------|-------------------------------|
| Dimensions        | 300mm X 200mm x 60mm          |
| Material          | ABS                           |
| Mounting          | Wall Mounted – 4 fixed Points |
| Protection Rating | IP50 (when mounted)           |

### Electrical

|                    |   |
|--------------------|---|
| Supply Voltage     | 240VAC 50/60 Hz                           |
| Fuse               | 1Amp Slow Blow; Resettable; Size 5 x 20mm |
| Connections Points | Screw Terminal                            |

### Environment

|                     |                          |
|---------------------|--------------------------|
| EMC Immunity        | EN61000-6-1              |
| EMC Emissions       | EN61000-6-3              |
| Ambient Temperature | 0-40°C                   |
| Ambient Humidity    | 0-90% RH non -condensing |

### Status Indicators

|              |              |
|--------------|--------------|
| Power Live   | Red Led x 1  |
| Relay Active | Red Led x 10 |

### Inputs/Outputs

#### Powered Relay Outputs

|                         |   |     |     |     |     |     |     |     |     |     |
|-------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Zones (Relay 1-8)       | 8 x 24v Powered Outputs   |     |     |     |     |     |     |     |     |     |
| Manifold Pump (Relay 9) | 1 x 24v Powered Output (Drop Down List Selectable Function)   |     |     |     |     |     |     |     |     |     |
| Boiler (Relay 10)       | 1 x S/L Output (Or 230v)<br>(Switch live output can be jumpered to serve as a 230 output)<br>(Drop Down List Selectable Function) |     |     |     |     |     |     |     |     |     |
| Connections Points      | Screw Terminal; 3 Connections Points per Output   |     |     |     |     |     |     |     |     |     |
| <b>Relay</b>            | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |
| <b>Output</b>           | 24v   | 24v | 24v | 24v | 24v | 24v | 24v | 24v | 24v | S/L |

#### Fuse

|                                |   |
|--------------------------------|---|
| Relay 1-5 (Qty 5)              | 2Amp (Qty 1) (Overall 48 Watts) - Relay 1-5 (24v) (Max 9 watt per Relay)  |
| Relay 6-8 & 9-ufh pump (Qty 4) | 2Amp (Qty 1) (Overall 48 Watts) - Relay 6-9 (24v) (Max 12 watt per Relay) |
| Relay 10 (Boiler)              | 4Amp (Qty 1) (Overall 800 Watts) - Per Relay (Max 800 watt Relay)         |
| 230v Input Supply              | 600mAmp Slow Blow (Qty 1)   |
| Fuse Type                      | Re-settable; Size 5 x 20mm  |
| Connections Points             | Screw Terminal; 3 Connections Points per Output                           |

#### Actuators (3 Watt) (24v) (80 Watt Transformer)

|  |  |
|--|--|
| Relay 1-5 (Qty 5)<br>Per Relay<br>Max Across all 5 Relay (R1-5)              | 2Amp (Overall 48 Watts) - Relay 1-5 (24v) (Max 9 watt per Relay)<br>3 Actuators (3 Watts each)<br>15 Actuators (3 Watts each)                                      |
| Relay 6-8 & 9-ufh pump (Qty 4)<br>Per Relay<br>Max Across all 4 Relay (R6-9) | 2Amp (Overall 48 Watts) - Relay 6-9 (24v) (Max 12 watt per Relay)<br>3 Actuators (3 Watts each)<br>12 Actuators (3 Watts each)                                     |
| Relay 10 (Boiler)<br>Max Across Relay 10                                     | 4Amp (Overall 800 Watts) - Per Relay (Max 800 watt Relay)<br>3 Actuators (3 Watts each)<br>Note R10 can be use for the boiler SL or a zone ( must connect in 24v ) |
| 230v Input Supply<br>Across All Relays                                       | <b>600mAmp</b> Slow Blow (Qty 1)<br><b>25 Actuators</b> (3 Watts each)   |

#### Switched Inputs

|                    |                           |
|--------------------|---------------------------|
| Qty                | 2                         |
| Type               | Volt Free                 |
| Connections Points | Screw Terminal            |
| Application        | Optional Software Modules |

## Features

### I/O Relay Board Features

|                              |                                       |
|------------------------------|---------------------------------------|
| I/O Modules                  | 8 Max (Networked)                     |
| Configurable Outputs         | All outputs configurable              |
| Power Outputs                | 9 Outputs Max                         |
| Switch Live Outputs          | 1 Outputs Max                         |
| Bus Network                  | Single Wire Network                   |
| Fusing – Powered Outputs     | Powered Outputs Fused                 |
| Fusing – Volt Free Outputs   | Switch Live Output Individually Fused |
| 3 Way Output Terminal Blocks | Allow for 3 Actuator per Output       |
| Output Terminal Blocks       | Stacked for ease of wiring            |

**Please note:**

**Comeragh Controls employs continuous development program which sometimes necessitates specification changes without notice. Please contact us for latest revision.**