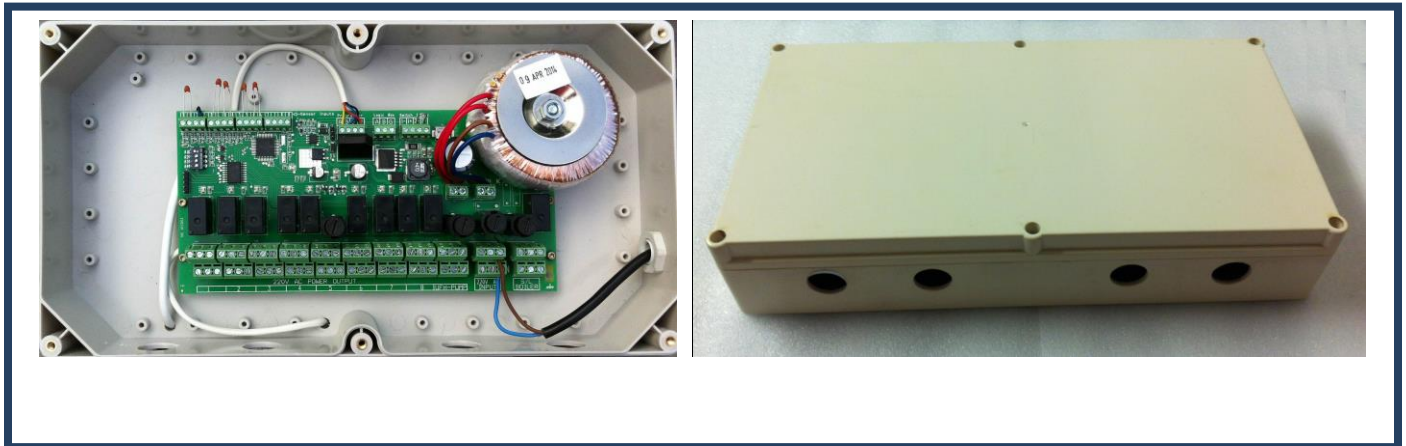


iCon -I/O Relay Board (Model CC773 - R10i8d2 -24v 80 Watt)



Technical Specification

Model

Model	CC773 - R10i8d2 -24v 80watt
Description	8 Relay Outputs : Zone+ Boiler+ Manifold Pump+ Selectable DHW 8 Probe Temp Inputs 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) (Switch live output can be jumpered to serve as a 230 output) (Drop Down List Selectable Function)									
Connections Points	Screw Terminal; 3 Connections Points per Output									
Relay	1	2	3	4	5	6	7	8	9	10
Output	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) Per Relay Max Across all 5 Relay (R1-5)	2Amp (Overall 48 Watts) - Relay 1-5 (24v) (Max 9 watt per Relay) 3 Actuators (3 Watts each) 15 Actuators (3 Watts each)
Relay 6-8 & 9-ufh pump (Qty 4) Per Relay Max Across all 4 Relay (R6-9)	2Amp (Overall 48 Watts) - Relay 6-9 (24v) (Max 12 watt per Relay) 3 Actuators (3 Watts each) 12 Actuators (3 Watts each)
Relay 10 (Boiler) Max Across Relay 10	4Amp (Overall 800 Watts) - Per Relay (Max 800 watt Relay) 3 Actuators (3 Watts each) Note R10 can be use for the boiler SL or a zone (must connect in 24v)
230v Input Supply Across All Relays	600mAmp Slow Blow (Qty 1) 25 Actuators (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.