



CONTROL SYSTEMS CF110 Step Controller



For condenser fan control applications.

- Stand alone or networked product
- Five control steps per board
- No limit to total number of steps controlled
- Balanced run hours
- Anti-short cycle protection
- Accepts input from dead zone pressure switch
- Set up parameters maintained for restart



Product Data

Product Description

The CF110 condenser step controller can operate up to 5 stages of condenser control according to the increase/decrease signal from a dead-zone pressure switch. Any number of CF110 controllers can be cascaded, allowing an unlimited number of stages to be controlled by a single dead-zone switch.

Alarms

Each controlled stage has an associated run signal input; if no run signal is received from the fan within 10 seconds of the run instruction being passed by the controller then an alarm is generated on the JTL network.

An auto-run input is available on the CF110 controller, removal of the auto-run signal will cause the controller to pass control to the back-up circuit within the main control panel.

Remote Access

If operating within a JTL network, operating parameters and alarm settings can be viewed and adjusted remotely.

Hardware

Optically isolated high voltage inputs.....	8
Voltage free contact outputs.....	7

Technical Specification

Output 1	Run step 1
Output 2	Run step 2
Output 3	Run step 3
Output 4	Run step 4
Output 5	Run step 5
Output 6	Cascade increase
Output 7	Cascade decrease

Relay output rating 5 A resistive (240 V max)

Input 1	Step 1 running
Input 2	Step 2 running
Input 3	Step 3 running
Input 4	Step 4 running
Input 5	Step 5 running
Input 6	Demand increase
Input 7	Demand decrease
Input 8	Auto

Input voltage 24, 110 or 230 V
Input current 2 mA

Communications port..... RS485 2 wire
Communications data rate 4800 baud
Communications protocol..... JTL Jnet zone protocol

Unit dimensions unboxed (L x W x H) 196 x 160 x 40 mm
Unit weight unboxed 0.51 kg

Power supply (standard) 230 V 48-52 Hz
(Optional) 24 V, 110 V

Ordering Information

CF110 Complete unit unboxed

Power Supply Options:

For 24 V append -24 to order code
For 110 V append -110 to order code



This unit conforms with the relevant EU standards when fitted in accordance with its installation instructions.

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