

Condensing Unit Controllers Series EC2 With Web Server Function and TCP/IP Interface

Features

- Maintenance and alarm management
- Sensor failure handling
- Inputs for common low and common high pressure alarms
- Configuration data stored in non-volatile memory
- Electrical connection via plug-in type screw terminals
- Web Server Function and TCP/IP Interface (see beginning of this chapter)
- Operation and commissioning via local or remote PC
- CE marking



EC2 Controller

Condensing Unit Controllers

- To control a combination of compressors and condenser fans based on suction and condensing pressure respectively
- Control of Copeland Scroll Digital™ Compressors



K02-211



ECT-323

Communication TCP/IP Ethernet

- Web Server Function provides monitoring and configuration through a standard web browser. Ethernet interface, as used in most office PCs
- Graphical visualization via built-in web pages
- Fixed or dynamic TCP/IP address with username and password
- Up to 30 days datalog
- Multiple language support (see climate.emerson.com/en-gb)



PT5

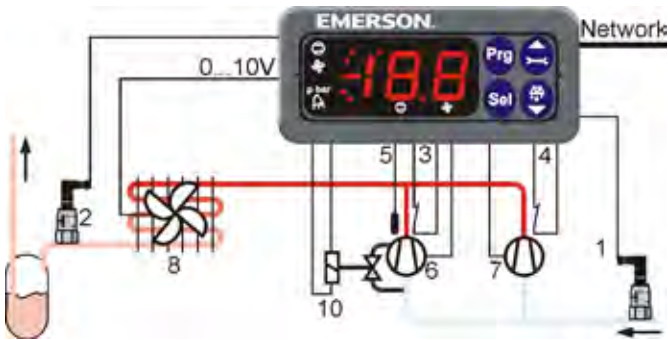
PT4-Mxx

Selection Table

Type	Description	Part No.
Condensing Unit Controller		
EC2-552	Condensing Unit Controller for two compressors or one Digital Scroll and one single stage compressor, variable fan speed control	807738
EC2-552 Contr. Kit	Condensing Unit Controller Kit with Terminal Kit K02-540, Pressure transmitter PT5-07M & PT5-30M with cable assembly, transformer ECT-323 with 25VA	808019
Terminal Kits and Cables		
K02-540	Terminal Kit for EC2-552	800070
ECX-N60	Ethernet Cable (TCP/IP)	6.0 m length 804422
Pressure Transmitter		
PT5-07M	- 0.8...7 bar	802350
PT5-18M	0...18 bar	802351
PT5-30M	0...30 bar	802352
PT5-50M	0...50 bar	802353
PT4-M15	Cable Assembly for PT5	1.5 m cable length 804803
PT4-M30		3 m cable length 804804
PT4-M60		6 m cable length 804805
Transformers		
ECT-323	Transformer Class II – 230 VAC Input, 24 V output, 25 VA	804424

Block Diagrams

EC2-552 Condensing Unit Controller for 2 single stage compressors or 1 Digital Scroll and 1 single stage compressor



Inputs

- 1 = Suction Pressure
- 2 = Condenser Pressure
- 3 = Safety Switch Comp 1
- 4 = Safety Switch Comp 2
- 5 = Temperature Input

Outputs

- 6 = Digital Scroll Compressor
- 7 = Single Stage Compressor
- 8 = Speed Controlled Fan with EC-Motor
- 10 = PWM Digital Scroll Solenoid Valve