

INDUSTRIAL AUTOMATION PRODUCT

DC1010CR-101000-E

DC1000 1/16 DIN Digital PID Controller with RTD Input

Honeywell DC1010CR-101000-E is a 48 x 48 mm DC1000 digital PID controller with RTD input, relay control output, one alarm relay, universal AC power and English documentation.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Honeywell DC1000 Controllers
Part number	DC1010CR-101000-E
Document status	Controlled product and system reference

DOCUMENT SCOPE

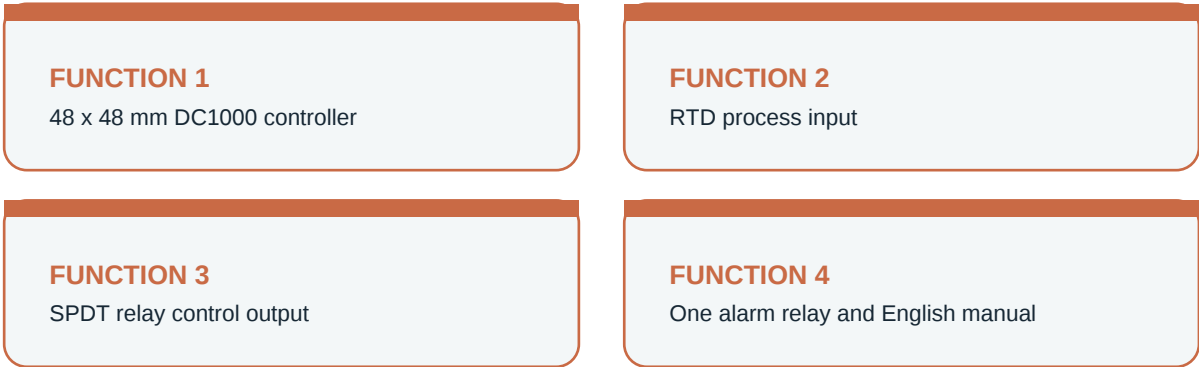
Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Decode the complete order as DC1010CR plus Table I 101, Table II 000 and English manual code E. Preserve the RTD wiring, relay load, alarm logic, PID configuration and setpoint values before replacement; do not transfer settings from a thermocouple or linear-input DC1000.

System Role and Architecture

Honeywell DC1010CR-101000-E is a 48 x 48 mm DC1000 digital PID controller with RTD input, relay control output, one alarm relay, universal AC power and English documentation.



MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Honeywell DC1000 Controllers
02	Matched extension cable and ClickLoc connector loop
03	3300 XL Proximity Sensor host channel
04	AISI 4140 steel target or approved equivalent

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Honeywell DC1000 Controllers
Interface role	DC1000 1/16 DIN Digital PID Controller with RTD Input
Field / power context	The controller must remain matched to the installed RTD, relay load, alarm circuit and configured PID
Commissioning evidence	Identity, gap, polarity, response and alarm diagnostics recorded

INSTALLATION AND CONNECTION CHECKS

- 1

Confirm DC1010CR-101000-E on the complete controller label.
- 2

Place the thermal process and final control element in the approved maintenance state.
- 3

Record the RTD wiring, relay load, alarm circuit and all controller parameters.
- 4

Isolate controller power and prove the output circuit safe before handling.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Controller family	DC1000	Transmitter output	None
Key number	DC1010CR	Remote setpoint input	None
Panel format	1/16 DIN, 48 x 48 mm	Communication	None
Input type	RTD	Manual language	English
Power selection	90 to 240 Vac; CE marked	Control algorithms	PID, ON/OFF and configurable family functions
Program function	None	Input resolution	14 bit
Output 1	SPDT relay contact, 3 A at 240 Vac	PV sampling time	250 ms
Output 2	None	Digital indication accuracy	+/-0.2% of full scale
Alarm output	One alarm relay	Memory	Non-volatile EEPROM

RELATED PRODUCT PAGES

1Honeywell 8C-IP0101

2Honeywell 8C-PAIH51

3Honeywell 8C-PAIHA1

4Honeywell 8C-PAOHA1

5Honeywell 8C-PAON01

6Honeywell 8C-PCNT01

7Honeywell 8C-PCNT02

8Honeywell 8C-PDIL51

9Honeywell 8C-PDILA1

ENGINEERING BOUNDARY

Confirm DC1010CR-101000-E, RTD sensor type, 90 to 240 Vac supply, relay load, alarm wiring, controller parameters and controlled input/output test evidence before commissioning.

PRE-INSTALLATION CHECKS

- 1

Confirm DC1010CR-101000-E on the complete controller label.
- 2

Place the thermal process and final control element in the approved maintenance state.
- 3

Record the RTD wiring, relay load, alarm circuit and all controller parameters.
- 4

Isolate controller power and prove the output circuit safe before handling.

Applications and Engineering Context

Temperature control

Regulates a documented RTD-monitored thermal process.

Heater switching

Commands the approved relay-driven heating circuit.

Machine temperature indication

Displays and alarms the configured process value.

Legacy panel maintenance

Restores an exact DC1010CR execution and settings record.

TECHNICAL NOTE

Decode the complete order as DC1010CR plus Table I 101, Table II 000 and English manual code E. Preserve the RTD wiring, relay load, alarm logic, PID configuration and setpoint values before replacement; do not transfer settings from a thermocouple or linear-input DC1000.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	DC1010CR-101000-E recorded
Host / carrier	Honeywell DC1000 Controllers
Physical interface	Power, field and communication interfaces matched to the as-found record
Configuration	Approved hardware and software configuration restored
Functional proof	Diagnostics and controlled operator-interface response recorded

IMPORTANT NOTICE

Confirm DC1010CR-101000-E, RTD sensor type, 90 to 240 Vac supply, relay load, alarm wiring, controller parameters and controlled input/output test evidence before commissioning.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Honeywell 8C-IP0101

View Honeywell 8C-IP0101 page

2

Honeywell 8C-PAIH51

View Honeywell 8C-PAIH51 page

3

Honeywell 8C-PAIHA1

View Honeywell 8C-PAIHA1 page

4

Honeywell 8C-PAOHA1

View Honeywell 8C-PAOHA1 page

5

Honeywell 8C-PAON01

View Honeywell 8C-PAON01 page

6

Honeywell 8C-PCNT01

View Honeywell 8C-PCNT01 page

7

Honeywell 8C-PCNT02

View Honeywell 8C-PCNT02 page

8

Honeywell 8C-PDIL51

View Honeywell 8C-PDIL51 page

9

Honeywell 8C-PDILA1

View Honeywell 8C-PDILA1 page

MANUFACTURER SOURCE RECORD

DC1000 Controllers and DC1000 Digital Controller Model Selection Guide | Honeywell publications 51-51-16-76 Issue 19a and DC1000 product record

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.