AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

C100/0200/STD

Universal Process Controller

TYPE	REFERENCE	FAMILY	SCOPE
Universal Process Controller	**0200 / STD**	**Commander C100**	**Option 02 / AC supply**

ABB C100/0200/STD is a Commander single-loop process controller with a universal measurement input and analog, logic and relay outputs. This ordered version adds two relays, one digital input and a remote setpoint input to the standard controller functions.

01 DOCUMENTED PRODUCT REFERENCE

Control algorithms	P, PI and PID; single loop
Display	2 x 4-digit, 7-segment LED
Process input	1 universal: THC, RTD, mV, mA or DC V
Input sampling period	250 ms per channel
Input impedance	mA: 100 ohm; mV / V: >10 Mohm
Transmitter supply	24 V; maximum 30 mA
Analog output	4 to 20 mA; maximum load 750 ohm at 20 mA
Analog output accuracy	±0.25% of span

Manufacturer data summarized for the identified model and stated conditions.

02 TECHNICAL DATA

Relay outputs, option 02	3 total; SPDT; 5 A at 115 / 230 V AC
Digital input, option 02	1 volt-free; minimum pulse 250 ms
Remote setpoint, option 02	4 to 20 mA DC; nominal impedance 100 ohm
AC supply range, code 0	85 to 265 V AC; 50 / 60 Hz
Power consumption	<6 VA
Operating temperature	0 to +55 °C
Enclosure protection	Front: IP65 / NEMA 3; rear: IP20

03 APPLICATION AND CONFIGURATION

- Complete C100/0200/STD order code
- Option 02 relays, digital input and setpoint
- AC supply label and configured input range
- Saved PID, alarm and profile settings
- Use the applicable manufacturer safety and installation instructions.

04 OFFICIAL DOCUMENTATION

ABB C100 Data Sheet, SS/C100_10

ABB SS/C100_10, pp.5-8 and 11. Option 02 and AC supply code 0 are used here; option 03 Modbus and 24 V DC supply are excluded.

Independently prepared Amikon reference summary, not an original manufacturer manual. Ratings apply only under their documented conditions. Confirm the supplied marking and approved configuration before selection, installation or replacement.

AMIKON PRODUCT SUPPORT

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