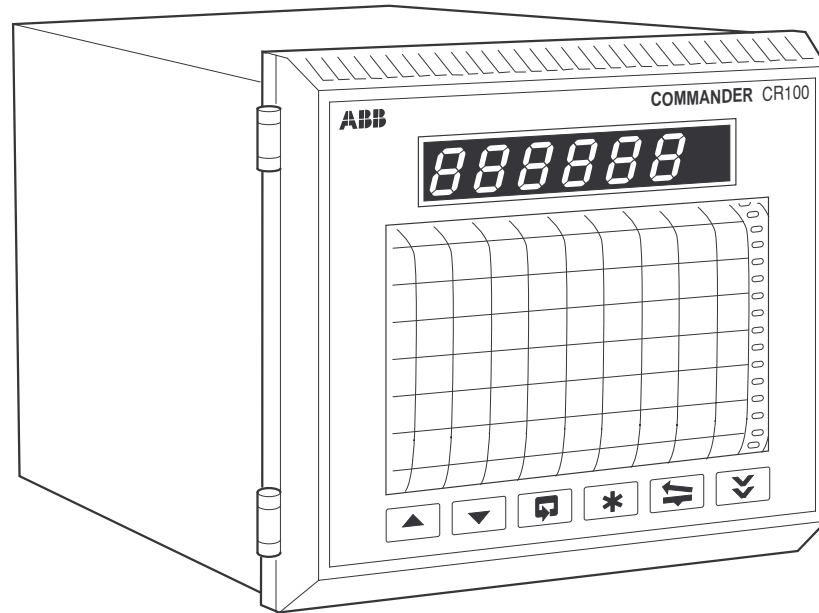# COMMANDER CR100

ABB Instrumentation

COMMANDER CR100

Simplicity without Compromise

- One- or two-pen continous trace recorder
  - unbroken trace on paper

- Simple chart cassette design
  - Fanfold (7m / 23ft) or Roll (15m / 50ft)

- Universal process input
  - Thermocouple types B, E, J, K, N, R, S, & T; Pt100, mA, mV and V
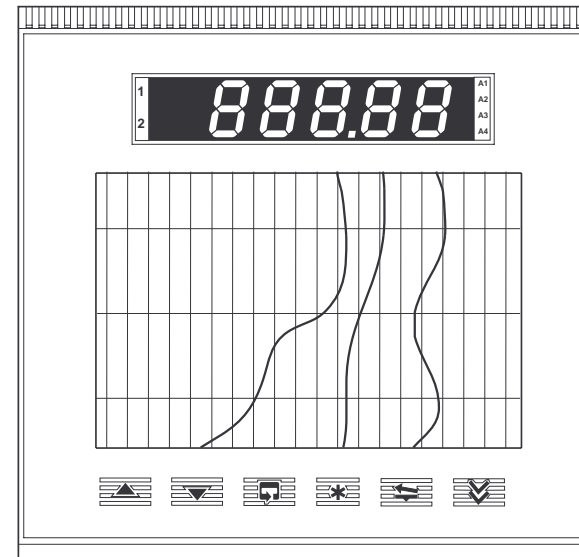
- Sample rate 250ms

- Accuracy ±0.2%

ABB Instrumentation

COMMANDER CR100

'Extras' as Standard

- Transmitter power supply
  - 24V dc / 30mA per channel

- Two relays (5A)
  - allocated to either channel or common to both

- Analog retransmission
  - selectable for either channel 1 or 2

- Two digital inputs
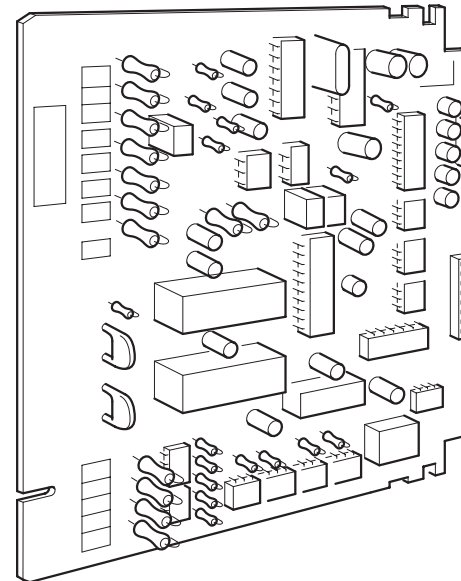 - Chart stop/start, Change Chart Speed or Alarm Acknowledge

ABB Instrumentation

ABB

COMMANDER CR100

Simple Setup

- Clear 5-digit LED display
  - easy configuration from the front
  - readable at a distance
  - No need to fit new scale when re-ranging unit on site

- Configuration options
  - either by simple code from front face or via PC Configurator

- Simple setup and configuration
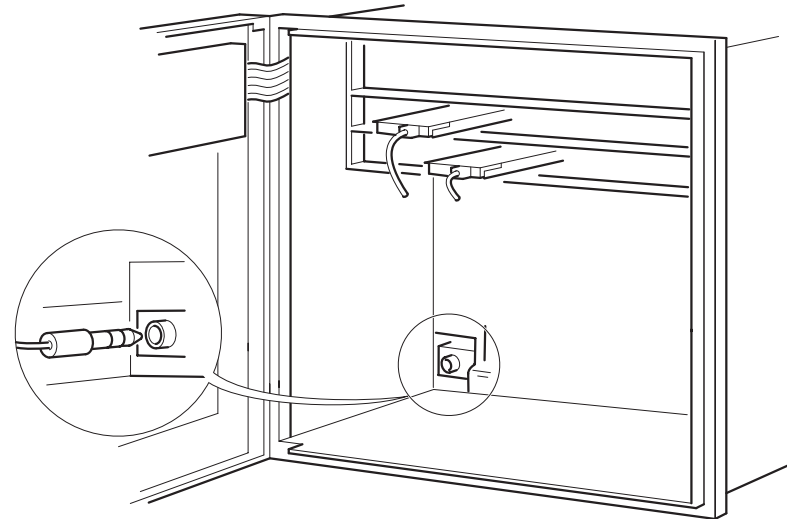 - Only 4 parameters to be entered: Input, Process Range & Alarms

ABB Instrumentation

COMMANDER CR100

Rugged, Reliable and Flexible

- IP65(NEMA3) front fascia
  - suitable for the harshest environments

- Steel case with enamel coating
  - hard wearing, corrosion resistant

- Case length only 230mm (9 in.)
  - suitable for use in standard 250mm (10 in.) panel

- Designed for new or retrofit applications

- Charts available in all standard ranges
  - 1000's of charts available

ABB Instrumentation

ABB

COMMANDER CR100 Applications

Environmental Chambers

- Temperature and/or humidity monitoring

- Display in engineering units

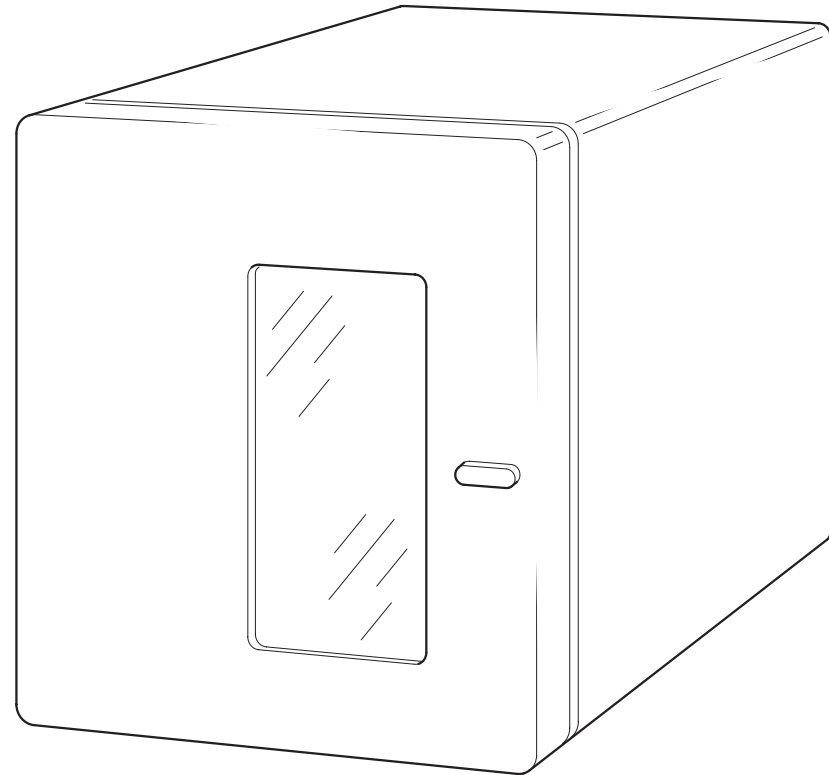- Two relay outputs

- Compact design for ease of mounting

ABB Instrumentation

COMMANDER CR100 Applications

Air Conditioning

- Local monitoring and indication

- Dual monitoring
  - Temperature (RTD)
  - Humidity (Transducer)

- Display in engineering units
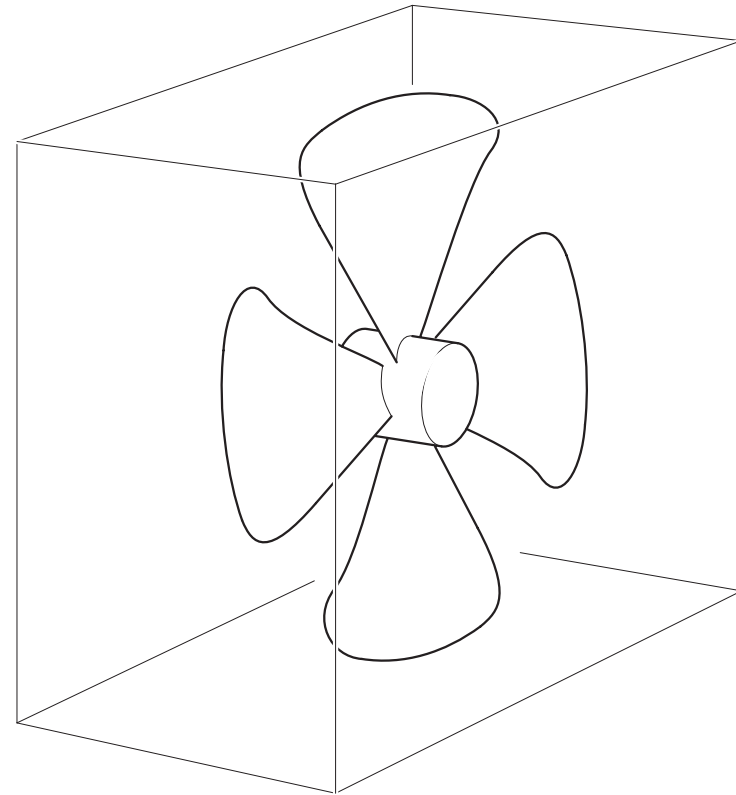
- Two relay outputs

ABB Instrumentation

ABB

COMMANDER CR100 Applications

Laboratory Testing

- Continuous trace monitoring for unbroken results

- Universal programmable inputs

- Temporary applications for tests
  - Temperature (RTD)
  - pH, Conductivity etc.

- Display in engineering units

ABB Instrumentation

ABB

COMMANDER CR100 Applications

pH Monitoring

- Local recording with the option of retransmission

- pH & temperature monitoring

- High and low alarms

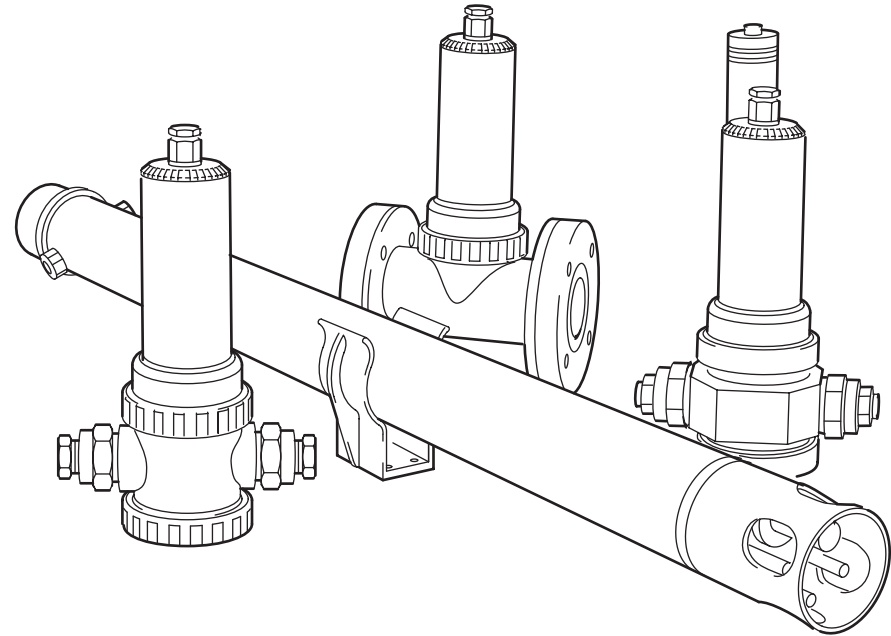- IP65 (NEMA 3) fascia, suitable for outdoors mounting

ABB Instrumentation

COMMANDER CR100 Applications

Smoke Density

- Monitoring of smoke density for solid fuel burners

- Adjustable input ranges (via PC Configurator) for different analyzer outputs
  - 3.0 to 0.0mA
  - 12.0 to 0.0mA

- Two alarm relays

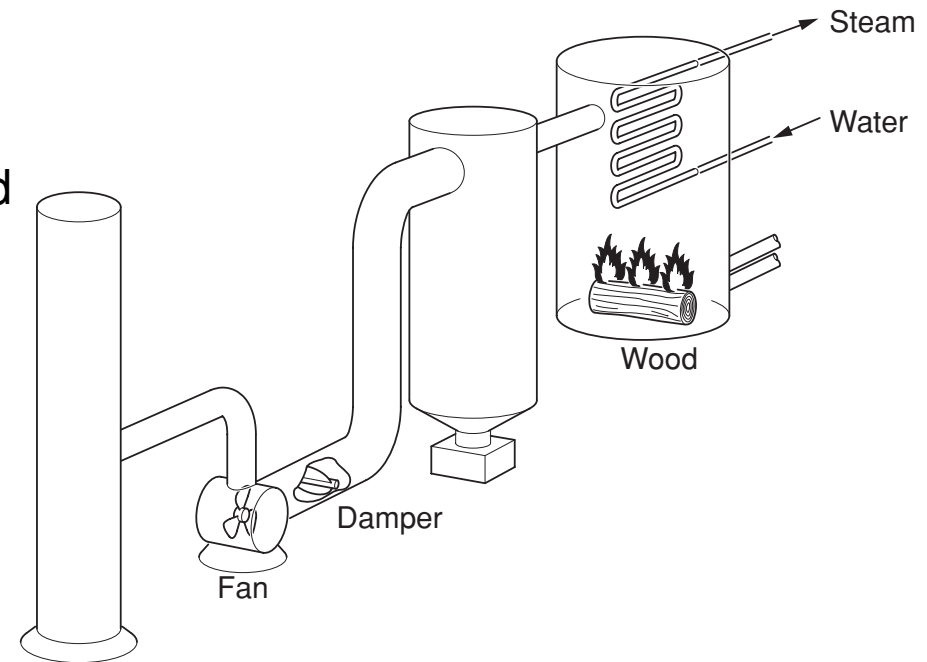- IP65 (NEMA 3) fascia, suitable for outdoors mounting

Steam

Water

Wood

Damper

Fan

ABB Instrumentation

ABB