Universal Control Box for all Cerlic X-type Sensors

- **Multiple functions**
  Supports four Cerlic X-series sensors

- **Easy to use**
  Simple three-button panel
  User-friendly software
  Field upgradeable

- **Sturdy design**
  Built-in heater for outdoor installations
  1/2" npt connections

- **Plug & play**
  No wiring required
  Sensors pre-calibrated at factory

The BB2 is a powerful control box
that can support a combination of two different sensors, measuring dissolved oxygen, suspended solids and fiber consistency simultaneously. Weighing less than 3 lbs, the BB2 is distinguished by a three-button panel used to navigate the intuitive software. The plug & play capabilities of the BB2 ensure an easy installation. Calibration is performed in just a few simple steps. The unit is designed with cutting-edge digital technology and software, making the BB2 easily upgradeable in the field and ensuring that the customer has the latest software revisions. The BB2 is equipped with the latest in communication protocols for compatibility with a wide array of automation systems.

The control box comes standard with two 4-20mA outputs. It also features an expansion slot for a protocol card that enables the unit to utilize the most recent digital communication protocols. The self-maintenance features of the BB2 further enhance its value in the plant. A built-in heater protects the unit against cold weather conditions. Relay outputs in the BB2 are used for high and low alarms or to provide a pulse for automatic cleaning.

Options and accessories
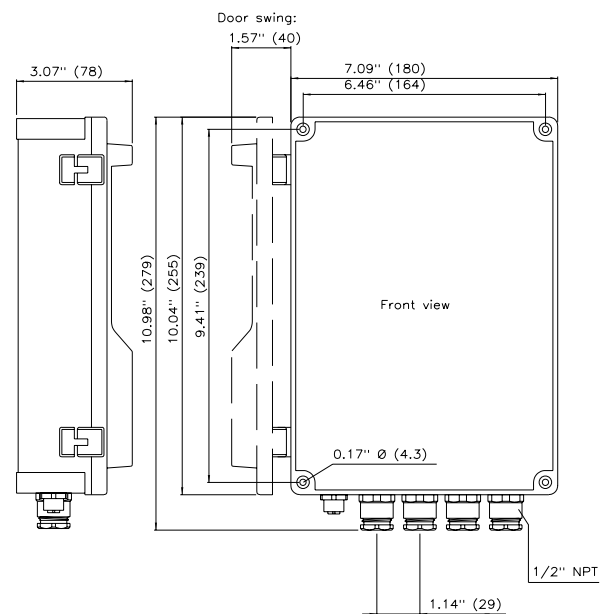Mounting plate with sun shield for wall or handrail mounting.
Module 2 extra outputs
Connection box for 2 or 4 sensors
Solenoid valve for flushing.

Technical Specifications

Weight	1.3 kg (2.8 lbs)
Supply Voltage	85 - 250 V
	50 - 60 Hz
Power Usage	20 W/
	(0.2 Amps)
Ambient temp	-20...+ 50 °C
	(-4...122 °F)
	(built-in heater)
Enclosure	IP 65 (NEMA 4X)
Connected sensors	Displayed on the screen at start-up
Output signal	
Analog	Two 4-20 mA, galv. isolated, 450 ohm
Digital	Profibus (option)
Alarm/cleaning	Two relays, selectable function
Connections	1/2" npt or 0.3-0.45" Ø compression fitting

Door swing: 1.57" (40)
3.07" (78)
7.09" (180)
6.46" (164)
10.98" (279)
10.04" (255)
9.41" (239)
Front view
0.17" Ø (4.3)
1/2" NPT
1.14" (29)

Cerlic's product line contains sensors for measuring and monitoring your process. Our instruments are used in municipal waste water & water treatment plants, industrial and pulp & paper process control. The development of our BB2 product line is the result of increasing demand for instrumentation that is reliable, accurate and durable.