Cerlic
ELETTA GROUP

Universal Control Box for all Cerlic X-type Sensors

Cerlic

BB2

```
86.3°F          10:25:22
▶MLSS           5846
 PPM
 PHX            7.0
 PH
 Min:    0 Max:    4000
```

⬆ ⬇ ENTER

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

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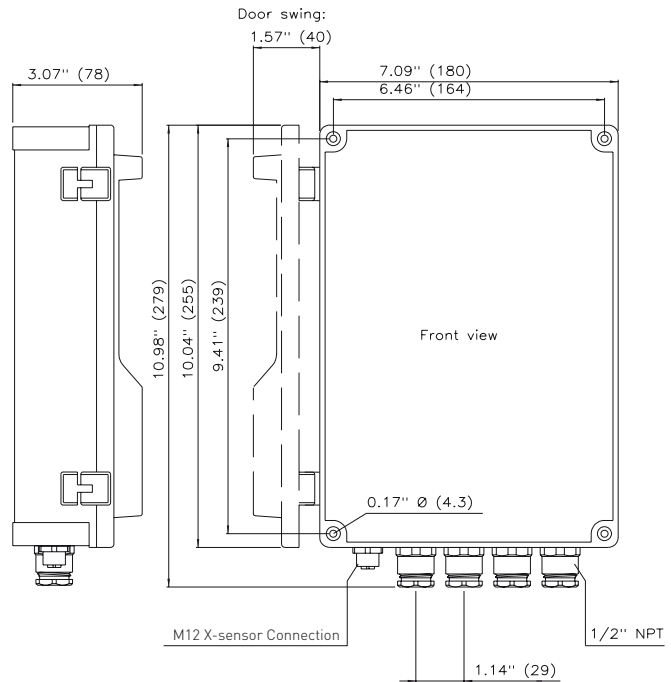- User-friendly software
- Field upgradeable

■ **Sturdy design**
- Built-in heater for outdoor installations
- ½" npt connections

■ **Plug & play**
- Easy installation of sensors from X-series

The BB2 is a powerful control box that can support a combination of up to four different sensors from the X-series measuring dissolved oxygen, suspended solids, pH, ORP and open channel flow. BB2 will only support one CTX sensor due to power requirements. CBX sludge blanket must use BB1 control unit. Weighing less than 3 lbs (1.4 kg), 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 control box comes standard with two 4-20 mA outputs. It also fetures an expansion slot for two additional mA outputs or digital protocol card for Profibus DP communication. The self-maintenance features of the BB2 further enhance its value in the plant. A built-in heater protects the unit against cold weather conditons. Relay outputs in the BB2 are used for high and low alarms or to provide a pulse for automatic cleaning. Output signals are held constant during cleaning cycle at the value prior to starting of the cleaning cycle.

Technical specifications

Weight	2.8 lbs (1.3 kg)
Supply Voltage	85 - 250 V AC 50 - 60 Hz 12 - 30 V DC
Power Usage	20 W AC / 30 W DC
Ambient temp	-4...131 °F (-20...+ 55 °C) (built-in heater)
Enclosure	NEMA 4X (IP 65)
Connected sensors	Displayed on the screen at start-up
Output signal, Analog	Two 4-20 mA, galv. isolated, 450 ohm Expansion card 4 outputs (option)
Digital	Profibus DP (option)
Alarm/cleaning	Two relays, selectable function
Connections	½" npt or 0.3-0.45"Ø compression fittings
Sensor cable	33ft (10m) length
Max run	330ft (100m) - 10 cables
Options and accessories	Mounting plate with sun shield for wall or handrail Expansion Card for 2 additional 4-20 mA outputs Expansion Card, Profibus DP, up to 4 outputs Splitters for 2 or 4 sensors Solenoid valve for sensor flushing

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)

M12 X-sensor Connection

1/2" NPT

1.14" (29)

BB2

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.

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