

## Control Box for all Cerlic X-type Sensors



### ■ Easy to use

- User friendly software
- Simple three-button panel
- Built-in heater for outdoor installations

### ■ Multiple functions

- Supports one optional sensor from Cerlic X-series

### ■ Plug & Play

- Easy installation of new sensors from X-series and to make an upgrade at site

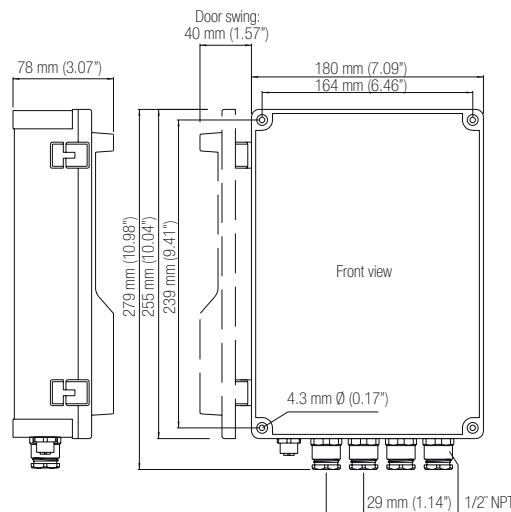
**The BB1** is a powerful control box that can support one optional sensor from the X-series, measuring dissolved oxygen, suspended solids, sludge level, pH, ORP, or fiber consistency simultaneously. Weighing less than 1.5 Kg (3 lbs), the BB1 is distinguished by a three button panel used to navigate the intuitive software. The plug & play capabilities of the BB1 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 BB1 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 features an expansion slot for two extra analog outputs or a protocol card that enables the unit to utilize digital communication protocols as ProfiBud DP. The selfmaintenance features of the BB1 further enhance its value in the plant. A built-in heater protects the unit against cold weather conditions. Relay outputs in the BB1 are used for high and low alarms or to provide a pulse for automatic cleaning.

## Technical Specifications

Material	Polycarbonate	
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 - +55°C (-4 - 131°)	Built-in heater.
Enclosure	IP 65 (NEMA 4X)	
Connected sensor	Displayed on the screen at start-up.	
Output signal Analog	Two 4 - 20 mA, galv. isolated, 450 ohm.	
Digital	Profibus (option).	
Alarm/cleaning	One relay, selectable function	
Connections	0.3 - 0.45" Ø compression fitting or 1/2" npt.	
Options and accessories:	Mounting plate with sun shield for wall or handrail mounting. Module two extra analog outputs or digital communication. Solenoid valve for flushing.	



BB1



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