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**
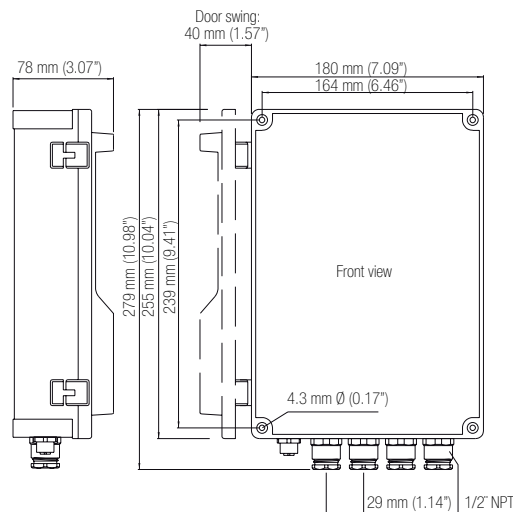- Supports one optional sensor from Cerlic X-series

■ **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, suspen-ded solids, sludge level, pH, ORP, or fiber consistency simultan-eously. 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 installa-tion. 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 sofware

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 communi-cation 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. The relay output in the BB1 can be used for alarm 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°F)**	Built-in heater.
Enclosure	**IP 65 (NEMA 4X)**	
Connected sensor		Displayed on the screen at start-up.
Output signal		Two 4 - 20 mA, galv. isolated, 450 ohm.
Analog Digital		Profibus (option).
Alarm/cleaning		One relay, selectable lfunction.
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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