

RAIN BUCKET



INFORMATION



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The Calsense RB-1 Tipping Rain Bucket consists of a gold anodized aluminum collector funnel with a knife edge that diverts the water to a tipping bucket mechanism. The mechanism is designed so that one alternate tip of the bucket occurs for each 0.01 inches of rainfall. A magnet is attached to the tipping bucket, which, as the bucket tips actuates a magnetic switch. Thus, a momentary switch closer takes place with each tip of the bucket. These switch closures are monitored real-time by a Calsense ET2000 or Et1 irrigation controller. The spent water drains out at the bottom of the housing.

The RB-1 can be connected to more than one controller on a given site, or data may be shared with other Calsense controllers via the Calsense Command Center software installed on a personnel computer utilizing one of the many communication options available.

The tipping rain bucket is read by the Calsense (-RB) interface board. The (-RB) interface is a factory installed board. Parameters programmed by the user, allow maximum benefit from rainfall.

The aluminum sensor housing is covered with a white baked enamel surface to withstand years of exposure to the environment. The sensor is factory calibrated and due to the nature of its operation should not require field calibration. Cleaning of debris filters, funnel orifices and bucket reservoir will depend upon environmental conditions.

The Calsense Rain Bucket may be surface mounted using three included sensor support legs. Optionally, the sensor may be pole mounted with included side bracket and clamps. Mounting surface must be vibration free and allow for level installation of sensor.

The two-conductor sensor cable (25 foot length) is supplied with sensor.



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