



Smart City.  
Clean City.

# C3 Module Datasheet

## Access control unit with fill level monitoring function

v. 1.0

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- possible integration with billing systems

- ❖ fill level measurement
  - report triggering based on time<sup>1</sup>
  - report triggering based on fill level<sup>2</sup>
  - internal temperature measurement
  - battery voltage monitoring

### Integration

Measurement data are sent to **ECOBINS** gateway server and available through:

- ❖ **ECOBINS** portal
- ❖ **ECOBINS** mobile app

### Features

- ❖ access control
  - unlocking the drums of underground and semi-underground containers with RFID cards and tags
  - logging the opening events and sending it to the Ecobins server — supported types of RFID cards: ISO/IEC 14443, A/MIFARE, NTAG, MF1xxS20, MF1xxS70, MF1xxS50 and Unique (4 and 7 bits UID)
  - sound signaling of the opening or no authorization events

dimensions mm (h/w/l)	154 × 73 × 32
weight	800 g
measurement technology	single ultrasound beam
measurement range	0,3 - 5 m
mounting	screws/rivets
IP rating	IP67
power supply	industrial lithium battery, 18000 mAh
power supply capacity	~ 3000 reports
operating temperature	-60°C – 85°C
connectivity	GSM 2G 900/1800 MHz

<sup>1</sup> The report is sent on the specified hour.

<sup>2</sup> The report is sent when the specified fill level is reached.