



CLS 5000

Multifunctional pole with dial a bus system, stand alone solution



E-POWERLOAD



CLS 5000 MULTIFUNCTIONAL DIAL A BUS POLE

Stand alone solution

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Description

The dial-a-bus bus stop system is an innovative variant of so called alternative means of operation. It works according to the principle, that bus stops are only operated when requested. In this way, it is possible to economically operate less frequented locations. Unnecessary journeys and the rigid adherence to a fixed route are omitted. The dial-a-bus bus stop system, therefore also leads to a greater flexibility of the transport facilities. In contrast to the usual transport services, empty journeys are avoided in sections. This is also an active contribution to the environment and climate protection. The dial-a-bus bus stop system is not only suitable for areas with less infrastructure. Even in conurbations, there is the possibility of supplementing the transport facilities in off peak times and zones with little traffic. Within a parametrisable time (e.g. 20 to 3 minutes before the planned departure time according to the timetable), the next bus available to be requested will be shown on the display, and the request button will turn green. After pressing

the request button, the request will be sent and the button will turn red. The display will show "Request being sent". The request is received by the driver, and is either shown on the display of the ticket printer, or transferred to the driver on a separate control panel or on the mobile phone. As soon as the request has reached the driver, they can confirm this positively or negatively. The positive confirmation can be added to a delay notification. This means that the customer also has the additional benefit of real time information. A few seconds after the driver has processed the request, the answer will be displayed to the passenger at the required bus stop. The text "Bus coming" will appear on the display (if necessary also with a delay notification) of the dial-a-buspole. Alternatively, the dial-a-bus bus stop system can also be integrated into ITCS server solutions. This solution is the more comfortable option for transport associations with a larger number of bus stops to be equipped. The accessibility hurdles to the described dial-a-bus



The multifunctional dial-a-bus pole

1

Positioning of the dial-a-bus pole

For every bus stop, that is only to be served if required, there is a dial-a-bus pole.

2

Integrated LifeGuide – for your safety

Integrated in every multifunctional dial-a-bus pole, the Castellan LifeGuide ensures your safety. Fitted with a defibrillator and other essential equipment for emergencies, the Life Guide automatically connects to the emergency services if required, and, especially in rural areas, shortens the emergency escape routes and/or the time until the emergency services arrive. The SOS button offers another possibility, to contact the emergency services directly.

3

Dial-a-bus bus stop system - ecological & economical

The next bus available to be requested will be shown on the display, and the request button will turn green. After pressing the request button, the request will be sent and the button will turn red. As soon as the request has reached the driver, they can confirm this positively or negatively. The positive confirmation can be added to a delay notification. The display will now say "Bus coming" or for example "Bus 5 minutes late".

4

E-Powerload – Mobility²

Each multifunctional dial-a-bus pole is also a charging pole for your electric vehicle. So you benefit doubly here: For example, if you reach the dial-a-bus pole with an electric wheelchair, you can charge it there in your absence.

5

Multifunction = Individuality

Apart from the dial-a-bus function, the multifunctional dial-a-bus pole also offers many other options, to contact the required service directly – as you wish. Also integrated here: taxi call function, information button and SOS call.

bus stop system are low. The necessity of booking journeys a long time in advance, as is the case when booking a journey by telephone (calling service bus or calling shared taxi) is eliminated. Usual transport services in times and areas with very low demand, are at the limits of their financial viability, due to insufficient cost coverage, and are therefore often on the verge of collapse. This all the more, the more often the urgently required demand potential is lost, due to demographic change, particularly in areas with little infrastructure, and emptying areas. The dial-a-bus bus stop system provides a win-win solution here: On the one hand operating costs are saved, and at the same time, the passenger can still be guaranteed mobility with public transport.

The solution

Expensive bus stops are only served when needed – the Multifunctional dial-a-bus pole reduces costs for unprofitable bus stops.

Technology

- > Stand-Alone-System controlled via GSM

Casing

- > Casing: Aluminium 3 mm, powder coated
- > Front: Plexiglass 8 mm, foil coated, opening 110° at the top
- > Lock: Snap lock cylinder lock, Siren with ripcord
- > Emergency call system: CLS GSM Interface Module
- > Power supply: optionally rechargeable battery and/or battery pack
- > Hands-free set: 5W speaker, high performance microphone, Acoustically regulated
- > Inner dimensions: 330 mm (W) x 420 mm (H) x 200 mm (D)
- > External dimensions: 340 mm (W) x 1,700 mm (H) x 270 mm (D)
- > System requirements: none
- > Accessories Fastening material, sirens
- > Optional: Stainless steel stand

Efficiency: costs, CO2 and profitability

Example diversion journey

with 3.5 km saving, 20 saved routes per day, drives on 21 days in the month:

3.5 km x 20 routes x 21 days = 1,470 km per month
 1,470 km x 12 months x 0.60 Cent/km = **10,584 € per year***

Example detour journey

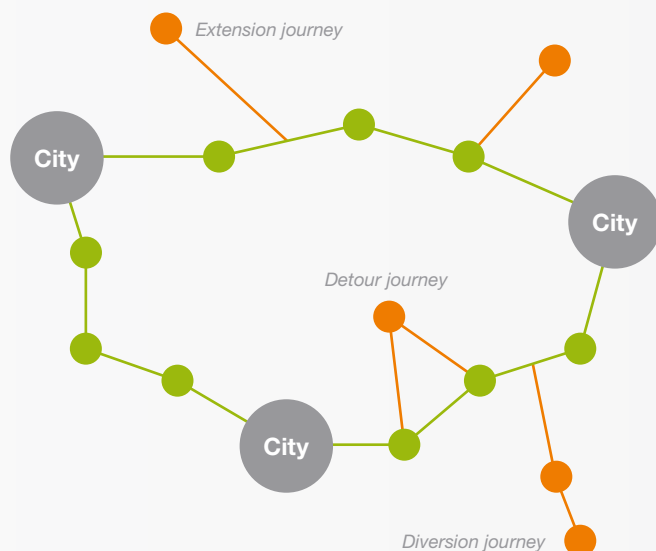
with 2 km saving, 30 saved routes per day, drives on 30 days in the month:

2 km x 30 routes x 30 days = 1,800 km per month
 1,800 km x 12 months x 0.60 Cent/km = **12,960 € per year***

Example extension journey

with 6 km outward journeys and 6 km returns, 7 saved routes per day, drives on 21 days in the month:

6 km + 6 km x 7 routes x 21 days = 1,764 km per month
 1,764 km x 12 months x 0.60 Cent/km = **12,700.80 € per year***



- Dial-a-bus bus stop
- Permanently served bus stop
- Needs oriented route
- Fixed route

Profitability of multifunctional dial-a-bus poles after LESS than a year!

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Front CLS 5000



reverse side CLS 5000

Modular system

- > **Module 1** SOS emergency call button
- > **Module 2** Info button
- > **Module 3** Taxi call button
- > **Module 4** Bus request button
- > **Module 5** Life Guide emergency system
- > **Module 6** Schuko electricity charging station for wheelchair, bicycle, Pedelec, and Segway
- > **Module 7** E-car charging station for passenger vehicle, camper van and motorbike



October 2012 · Images similar. Changes, errors and printing mistakes excepted.



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