



# DYSTEN

Manufacturer of Passenger Information Displays  
[railway-displays.com](http://railway-displays.com)

# LOW POWER passenger information displays



## EXTREMELY LOW POWER CONSUMPTION

**Electricity is used mainly for changing content.** Device can be fully autonomous - using energy from renewable sources



### REAL TIME INFORMATION

Current information on arrivals and departures, warnings and any other content 24/7



### GOOD READABILITY

Viewing comfort - just like reading a book



### RESISTANT

Resistant to harsh weather conditions and vandal-proof IP 65 and IK08



### FLEXIBILITY

Available in various sizes and configurations, with function buttons, SOS panel or Text To Speech options



### MANAGEMENT THROUGH CLOUD

Remote management through the GSM network ensures easy service, enables independent access to all locations



customize colors and design

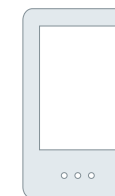
# LOW POWER passenger information display

|      | LCD display       |                   |
|------|-------------------|-------------------|
| TYPE | LP1x3 double side | LP1x2 double side |



| Technology              | LCD LOW POWER                             | LCD LOW POWER                             |
|-------------------------|-------------------------------------------|-------------------------------------------|
| <b>Color of content</b> | Monochrome                                | Monochrome                                |
| <b>Resolution [pix]</b> | 315x20                                    | 210x20                                    |
| <b>Control system</b>   | LAN, internet, GSM                        | LAN, internet, GSM                        |
| <b>Backlight</b>        | Yes                                       | Yes                                       |
| <b>IP Protection</b>    | IP 65                                     | IP 65                                     |
| <b>Temperature [*C]</b> | -20°C /+ 50°C                             | -20°C /+ 50°C                             |
| <b>Supplay</b>          | Battery / 24V                             | Battery / 24V                             |
| <b>Number of rows</b>   | 1                                         | 1                                         |
| <b>MTBF [h]</b>         | 80000                                     | 80000                                     |
| <b>Options</b>          | one side / double side<br>V-shape         | one side / double side<br>V-shape         |
| <b>Anti-glare</b>       | Yes                                       | Yes                                       |
| <b>Casing</b>           | Acrylic + stainless steel in<br>RAL color | Acrylic + stainless steel in<br>RAL color |
| <b>Working time</b>     | "24/7"                                    | "24/7"                                    |
| <b>Total size [mm]</b>  | 1100x170x190                              | 780x170x190                               |

| E-paper display |      |        |      |      |
|-----------------|------|--------|------|------|
| TYPE            | EP13 | EP13x2 | EP32 | EP42 |



| Screen size [inch]      | 13,3"                                      | 2x13,3"                                    | 32"                                        | 42"                                        |
|-------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Technology              | E-papier                                   | E-papier                                   | E-papier                                   | E-papier                                   |
| <b>Color of content</b> | Monochrome                                 | Monochrome                                 | Monochrome                                 | Monochrome                                 |
| <b>Color scale</b>      | 16 shades of gray                          | 16 shades of gray                          | 16 shades of gray                          | 16 shades of gray                          |
| <b>Control system</b>   | LAN, internet, GSM                         | LAN, internet, GSM                         | LAN, internet, GSM                         | LAN, internet, GSM                         |
| <b>Backlight</b>        | Yes                                        | Yes                                        | Yes                                        | Yes                                        |
| <b>IP Protection</b>    | IP 65                                      | IP 65                                      | IP 65                                      | IP 65                                      |
| <b>IK class</b>         | IK 08                                      | IK 08                                      | IK 08                                      | IK 08                                      |
| <b>Temperature [*C]</b> | -20°C - 50°C                               | -20°C - 50°C                               | -20°C - 50°C                               | -20°C - 50°C                               |
| <b>Supplay</b>          | 12V                                        | 12V                                        | 12V                                        | 12V                                        |
| <b>Resolution [pix]</b> | 1600 x 1200                                | 1600 x 1200                                | 2560 x 1440                                | 2880x2160                                  |
| <b>TTS</b>              | Yes                                        | Yes                                        | Yes                                        | Yes                                        |
| <b>Buttons</b>          | optional / depending on<br>the application | optional / depending on<br>the application | optional / depending on<br>the application | optional / depending on<br>the application |
| <b>Anti-glare</b>       | Yes                                        | Yes                                        | Yes                                        | Yes                                        |
| <b>Casing</b>           | Acrylic + stainless steel in<br>RAL color  | Acrylic + stainless steel in<br>RAL color  | Acrylic + stainless steel in<br>RAL color  | Acrylic + stainless steel in<br>RAL color  |
| <b>Working time</b>     | "24/7"                                     | "24/7"                                     | "24/7"                                     | "24/7"                                     |
| <b>Total size [mm]</b>  | 350x500x50 mm                              | 350x800x50 mm                              | 570x840x62 mm                              | 663x1140x80 mm                             |



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**European  
Funds**  
Smart Growth



**Republic  
of Poland**



**European Union**  
European Regional  
Development Fund



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