Large Digital Display Panel Meter
Series: DDL

The Series DDL Large Digital Display is an analog-input panel meter with 2.80" digits, and multiple output and display options. With two configurable, six-character lines and four LED alarm indicators, the DDL makes a lot of information easily visible from long distance. The DDL is easily programmed with the four buttons below the display or through a USB connection to a PC.

Features

- 2-line, 6-character display
- Environmentally sealed face; NEMA 4X / IP65
- Easy 4-button programming
- Current Inputs: 4-20 or 0-20 mA
- Voltage Inputs: 0-5, 1-5, 0-10 VDC
- 1 Digital Input / Input Contact
- Current Output: Isolated 4-20 mA
- Relay Outputs: 0 or 4 SPDT Relays
- Up to 200 mA for powering sensor
- Configurable High/Low alarms
- Alternating Pump Control (with output relays)
DDL Specifications

**Performance**
- Display:
  - 2 lines, 6 characters each, 1.80" tall
- Display Update Speed:
  - 200 ms (5 updates per second)
- Accuracy:
  - ±0.03% of calibrated span
- Sunlight Readable Bright Display Standard

**Connectivity**
- Input Options:
  - 0-20 mA, 4-20 mA
  - 0-5 VDC, 1-5 VDC, 0-10 VDC, ±10 VDC
- Output Options:
  - 4 SPDT Relays
  - Isolated 4-20 mA
- Sensor Power Supply:
  - 24/10/5 VDC selectable
  - 200 mA for VAC models
  - 100 mA for VDC models
- Analog Output Power Supply:
  - 40 mA @ 24 VDC

**Environmental**
- Front panel rating: NEMA 4X, IP65
- Storage Temp: -40° - 185°F (-40° - 85°C)
- Operating Temp: -40° - 150°F (-40° - 65°C)

**Certification**
- CE
- UL/C-UL Listed

**Programming**
- Programmable Features:
  - Min/Max, Tare, Hold
  - Multi-scale Input Display (e.g. Level & Volume)
  - Noise Filter
  - High/Low Alarms
  - Alternating Pump Control
  - Time Delay for Output Relays
- Methods:
  - 4 Front-panel Push Buttons
  - MeterView Pro Software (with PC)

**Electrical**
- Supply Voltage:
  - VAC: 85 - 265
  - VDC: 12 - 24
- Input Impedence:
  - Voltage Inputs: > 500 kΩ
  - Current Inputs: 50 - 100 Ω
- SPDT Relays:
  - 3 A @ 30 VDC / 125/250 VAC resistive loads
  - 1/14 HP (≈ 50 W) @125/250 VAC inductive loads
- Input Contact/Digital Input:
  - Contact Voltage: 3.3 VDC
  - Digital Input Logic High: 3 - 5 VDC
  - Digital Input Logic Low: 0 -1.25 VDC
  - Default Logic: Normally Open/Low

**Physical**
- Size:
  - 10.63” x 12.59” x 4.77” (270 mm x 319.7 mm x 121.2 mm)
- Weight:
  - 6.10 lb (2.76 kg)
## Common Model Configurations

Din Mount Digital Display

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Model Description</th>
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</thead>
<tbody>
<tr>
<td>DDL-A00</td>
<td>85 - 265 VAC input power, <strong>No outputs (visual display only)</strong></td>
</tr>
<tr>
<td>DDL-A14</td>
<td>85 - 265 VAC input power, <strong>4-20 mA output, 4 output relays</strong></td>
</tr>
<tr>
<td>DDL-D00</td>
<td>12 - 24 VDC input power, <strong>No outputs (visual display only)</strong></td>
</tr>
<tr>
<td>DDL-D14</td>
<td>12 - 24 VDC input power, <strong>4-20 mA &amp; 4 output relays</strong></td>
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</tbody>
</table>
### Model Configuration Options

Model Number: DDL - __ ____ ____

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
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<tbody>
<tr>
<td><strong>A. Input Power</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>□ A</td>
<td>85-265 VAC</td>
<td></td>
</tr>
<tr>
<td>□ D</td>
<td>12-24 VDC</td>
<td></td>
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| **B. Analog Output** | |
| □ 0 | No Analog Output† |
| □ 1 | 4-20 mA Output†† |

| **C. Output SPDT Relays** | |
| □ 0 | No Relays† |
| □ 4 | 4 Relays†† |

Note: †Indicates No Analog Output and No Relays must be chosen together

Note: ††Indicates 4-20 mA Output and 4 Relays must be chosen together