NEW LIGHT & HORN
Accessory for Helios and ProVu Meters
Presenter
Joe Ryan
VP of Sales & Marketing

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02
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Takeaways

- Identify ways you can use the Light / Horn accessory to satisfy alarm applications
- Understand how the Light / Horn accessory installs and is powered by the meter
- See an actual demonstration of the Light / Horn and Reset Button in action
- Know what NEMA 4 and 4X enclosures are available for PROVu and the Light / Horn
Light / Horn Overview
What does it do?

- Adds visual and audible alarm capabilities to Helios and PROVu Meters
- The light and horn are controlled and reset independently from separate relays
- The light can be wired to flash (not available on 5 color light) or stay steady on
- Powered by the meter’s internal transmitter power supply
How is it installed?

**Helios**
- Mounted and wired to meter from factory
- Ready to go!

*Meter and MOD-PD2LH are sold separately.*

**ProVu**
- Holes are drilled into the enclosure for Light / Horn and Reset Button
- User mounts and wires them

*Meter, enclosure, & MOD-LH are sold separately.*
How is it powered up?

The Light / Horn is powered by the meter’s 200 mA internal transmitter power supply. To determine the remaining power, add the currents for the light(s) being used and the horn if used. Typically there is enough power left to power the transmitter. If more power is needed for the transmitter, then consider our external power supply (PDA1024-01).

17 mA + 20 mA = 37 mA
Red light + Horn = Power used

See manual for details.
How do I order it?

All items are sold separately. Order the meter and MOD-PD2LH model as separate items:

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Helios Meter with 2 or 4 Relays</td>
</tr>
<tr>
<td>2</td>
<td>MOD-PD2LH Light / Horn / 1 Reset Button Mounted and Wired to Helios</td>
</tr>
</tbody>
</table>

All items are sold separately. Assembly required. Order the meter, enclosure, and MOD-LH model as separate items:

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PROVU Meter with 2 or 4 Relays</td>
</tr>
<tr>
<td>2</td>
<td>NEMA 4 or NEMA 4X Enclosure that Accepts MOD-LH</td>
</tr>
<tr>
<td>3</td>
<td>MOD-LH Light / Horn and Reset Button with Holes Drilled in Enclosure</td>
</tr>
</tbody>
</table>
Light / Horn for Helios
MOD-PD2LH – Light / Horn for Helios Meters

Includes a light with an 85 dB horn, and a reset button

Mounted and wired to Helios from factory

Powered by the Helios’s Internal transmitter power supply

Helios supports up to 4 internal relays

Maintains NEMA 4X rating, but voids UL approval.
3 Light Options

**Single Color Light**
Available in Red, Green, Yellow, Blue, or White Light
Flashing or Steady On Light

**5 Color Light**
User Selectable Red, Green, Yellow, Blue, or White Light
Steady On Light

**3 Layered Color Light**
Three Color Layers in Red, Yellow, and Green
Flashing or Steady On Light
## MOD-PD2LH Pricing

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
<th>Light</th>
<th>Horn</th>
<th>Reset Button</th>
<th>Light Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOD-PD2LHRB1</td>
<td>$300</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>Flash or Steady On</td>
</tr>
<tr>
<td>MOD-PD2LHGB1</td>
<td>$300</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>Flash or Steady On</td>
</tr>
<tr>
<td>MOD-PD2LHYB1</td>
<td>$300</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>Flash or Steady On</td>
</tr>
<tr>
<td>MOD-PD2LHBB1</td>
<td>$300</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>Flash or Steady On</td>
</tr>
<tr>
<td>MOD-PD2LHWB1</td>
<td>$300</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>Flash or Steady On</td>
</tr>
<tr>
<td>MOD-PD2LH5CB1</td>
<td>$350</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>Steady On</td>
</tr>
<tr>
<td>MOD-PD2LH3LCB1-RYG</td>
<td>$400</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>Flash or Steady On</td>
</tr>
</tbody>
</table>

All come mounted and wired to Helios from factory.
PD2 Video Demo

- This is a placeholder slide
Light / Horn for ProVu
MOD-LH – Light / Horn for ProVu Meters

- Includes a light with an 85 dB horn, and a reset button
- Holes are drilled for light / horn and reset button in enclosure
- Powered by the ProVu’s internal transmitter power supply
- ProVu supports up to 4 internal relays
3 Light Options

Single Color Light
Available in Red, Green, Yellow, Blue, or White Light
Flashing or Steady On Light

5 Color Light
User Selectable Red, Green, Yellow, Blue, or White Light
Steady On Light

3 Layered Color Light
Three Color Layers in Red, Yellow, and Green
Flashing or Steady On Light
Available on These Enclosures

PDA2300 Economical Plastic NEMA 4X Enclosures
Available on all enclosures

PDA2500 Rugged Plastic NEMA 4X Enclosures
Available on all enclosures

PDA2600 Stainless Steel NEMA 4X Enclosures
Available on all enclosures

PDA2700 Steel NEMA 4 Enclosures
Available on all enclosures

PDA2800 Smallest Footprint Plastic NEMA 4X Enclosures
Available on all enclosures except PDA2801 and PDA2812.

PDA3400 Internally Mounted Plastic NEMA 4X Enclosures
Available on all enclosures except the PDA3411, PDA3412, PDA3414.
## MOD-LH Pricing

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
<th>Light</th>
<th>Horn</th>
<th>Reset Button</th>
<th>Light Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOD-LHRB1</td>
<td>$275</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>Flash or Steady on</td>
</tr>
<tr>
<td>MOD-LHGB1</td>
<td>$275</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>Flash or Steady on</td>
</tr>
<tr>
<td>MOD-LHYB1</td>
<td>$275</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>Flash or Steady on</td>
</tr>
<tr>
<td>MOD-LHBB1</td>
<td>$275</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>Flash or Steady on</td>
</tr>
<tr>
<td>MOD-LHWB1</td>
<td>$275</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>Flash or Steady on</td>
</tr>
<tr>
<td>MOD-LH5CB1</td>
<td>$325</td>
<td>✔ ✔ ✔</td>
<td>✔</td>
<td>✔</td>
<td>Steady on</td>
</tr>
<tr>
<td>MOD-LH3LCB1-RYG</td>
<td>$375</td>
<td>✔ ✔</td>
<td>✔</td>
<td>✔</td>
<td>Flash or Steady on</td>
</tr>
</tbody>
</table>

Enclosure comes pre-drilled with holes for light / horn and reset button. Installation by user.
Video Demo

• This is a placeholder slide
Application Examples
Single Light

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Relay 1</th>
<th>Relay 2</th>
<th>Relay 3</th>
<th>Relay 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alarm</td>
<td>Alarm</td>
<td>Alarm</td>
<td>As user desires</td>
<td>As user desires</td>
</tr>
<tr>
<td>Auto</td>
<td>Latch</td>
<td>As user desires</td>
<td>As user desires</td>
<td>As user desires</td>
</tr>
</tbody>
</table>
## 5 Color Light

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Relay 1</th>
<th>Relay 2</th>
<th>Relay 3</th>
<th>Relay 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Alarm</td>
<td>All OK</td>
<td>High Alarm</td>
<td>Low Alarm</td>
<td>High Alarm</td>
</tr>
<tr>
<td>Range</td>
<td>&lt; 199</td>
<td>200 to 500</td>
<td>&gt; 500</td>
<td>&lt; 199</td>
</tr>
<tr>
<td>Set</td>
<td>200</td>
<td>501</td>
<td>501</td>
<td>199</td>
</tr>
<tr>
<td>Reset</td>
<td>199</td>
<td>500</td>
<td>500</td>
<td>200</td>
</tr>
<tr>
<td>Action</td>
<td>Auto</td>
<td>Auto</td>
<td>Auto</td>
<td>Latch</td>
</tr>
</tbody>
</table>
### 3 Layered Color Light

<table>
<thead>
<tr>
<th></th>
<th>Relay 1</th>
<th>Relay 2</th>
<th>Relay 3</th>
<th>Relay 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purpose</td>
<td>All OK</td>
<td>Warning</td>
<td>High Alarm</td>
<td>Warning</td>
</tr>
<tr>
<td>Range</td>
<td>&lt; 199</td>
<td>200 to 500</td>
<td>&gt; 500</td>
<td>200 to 500</td>
</tr>
<tr>
<td>Set</td>
<td>200</td>
<td>501</td>
<td>501</td>
<td>200</td>
</tr>
<tr>
<td>Reset</td>
<td>199</td>
<td>500</td>
<td>500</td>
<td>199</td>
</tr>
<tr>
<td>Action</td>
<td>Auto</td>
<td>Auto</td>
<td>Auto</td>
<td>Latch</td>
</tr>
</tbody>
</table>
Other Accessories
PDA1024-01 24 VDC Power Supply

- Provides additional power to power the transmitter
- Fits inside most enclosures
- Mounts on a DIN rail
- $82

PDA1004 4 Relays Expansion Module

- For ProVu meters
- Provides 4 external relays
- Adds even more alarming possibilities
- $83
PD9502 - Low-Cost Signal Generator

Generates a 4-20 mA or 0-10 VDC signal

Set for 0-20 mA, 4-20 mA, 0-10 V or 2-10 V ranges

15-27 VDC or USB Power

Compact size

One-turn adjustment knob

$99
PD420 - Panel Mount 4-20 mA Set-Point Generator

Generates a 4-20 mA signal to control another device

Panel mount

Displays 0-100%, 4-20 mA or 3-21 mA

Outputs 4-20 mA or 3-21 mA

Built-in dial for coarse or fine adjustment

$149
Questions?
Summary

- Adds visual and audible alarm capabilities to Helios and PROVu Meters
- The light and horn are controlled and reset independently from separate relays
- The light can be wired to flash (select models) or stay steady on
- Powered by the meter’s internal transmitter power supply
Thank you.

Joe Ryan
VP of Sales & Marketing

For additional questions
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1-800-343-1001 ext. 131

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