What New? The MP-32!

Completely redesigned master controller

New features and capabilities
Lignomat MP-32

Network enabled kiln control system
Components of a Fully Automatic Kiln Control System

- Modular Control System Panel
- Master Controller (MP-32)
- Operator Interface
What you talkin’ bout Willis?

- The MP-32 is a network device
- The MP-32 software used by standard web browsers
Main Duties MP-32

• Hosts operator interface
  • Manage settings
  • View individual hardware settings
  • Manage schedules
  • Manage histories
  • Manage alerts
How is this network device connected?

K-1

K-2

K-31

K-32

MP-32

RS-485

Ethernet Cable

Your local network

Computer #1

Internet

Modem

Router

Computer #2
No PC? No Problem!

- **Modular KCS enclosure**
- **Master Controller MP-32**
- **Monitor, keyboard and mouse**
Advantages MP-32

• Access via network computers

• Not dependent on a single PC’s health

• Wireless access via your LAN, no 3rd party

• Remote access, no 3rd party

• Direct control w/ mouse, monitor & keyboard

• Independent of Microsoft Windows

• Schedules continue without operator interface
The Backups Backup
Old Backup Plan
New Backup Plan
Features Overview

• Tool Tips

• Auto Alerts

• Peak Demand Energy Management

• Remote Access

• Timber Rest

• Integrated Traditional Sample Scales

• Average/Manual MC override
Tool Tips

• What are tool tips?

• Why are they helpful?

Internet Alerts

Please select notifications you would like below:

- Kiln started
- Kiln stopped schedule complete
- Kiln stopped operator
- Kiln halted schedule errors (M4)
- Kiln halted controller errors (M5)
- Kilin halted no probes
- Fans not running (E15)
- Overtemperature alarm (OTA)
- Kiln paused by operator

Enter one address per line to send the selected alerts to:

To receive these messages as text on your phone, enter the mobile number and the SMS gateway listed below in place of an email address.

- AT&T
  - #@txt.att.net
- Cingular
  - #@cingular.com
- Sprint
  - #@messaging.sprintpcs.com
- T-Mobile
  - #@tmomail.net
- Verizon
  - #@vtext.com
- Wireless
  - #@message.alltel.com

For all other carriers please check with your carrier on the SMS gateway address to use.
Auto Alerts

<table>
<thead>
<tr>
<th>Internet Alerts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Please select notifications you would like below.</td>
</tr>
<tr>
<td>Kiln started</td>
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</tbody>
</table>

*Note: The image includes a logo for Lignomat.
Auto Alerts Requirements

- Internet connection is required
- PC is not required
- Main network connection is not required
Energy Management

Time of day Fan Rates

<table>
<thead>
<tr>
<th>Time HH:MM</th>
<th>Max Speed%</th>
<th>Delete</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>13:00</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>15:00</td>
<td>100</td>
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</tbody>
</table>
Peak Demand Energy Mgmt.

By consumption

Lignomat Kiln Control System

Energy conservation settings.

Password required to save changes

<table>
<thead>
<tr>
<th>Settings</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Usage High Limit</td>
<td>90</td>
</tr>
<tr>
<td>Usage Low Limit</td>
<td>60</td>
</tr>
<tr>
<td>Fan Rate Limit</td>
<td>50</td>
</tr>
</tbody>
</table>

Save  Cancel
Remote Access
Timber Rest

- What is Timber Rest
- How do you use Timber Rest?
- Why does resting help?
Integrated Sample Scales

- Spreadsheet, MC & loss/day
- Histories archived
- RS-232 connection to PC
- Select and click data entry
Average MC Override

• MC schedules by sample MC

• Calculated loss/day
End
Head Dump (HDC)