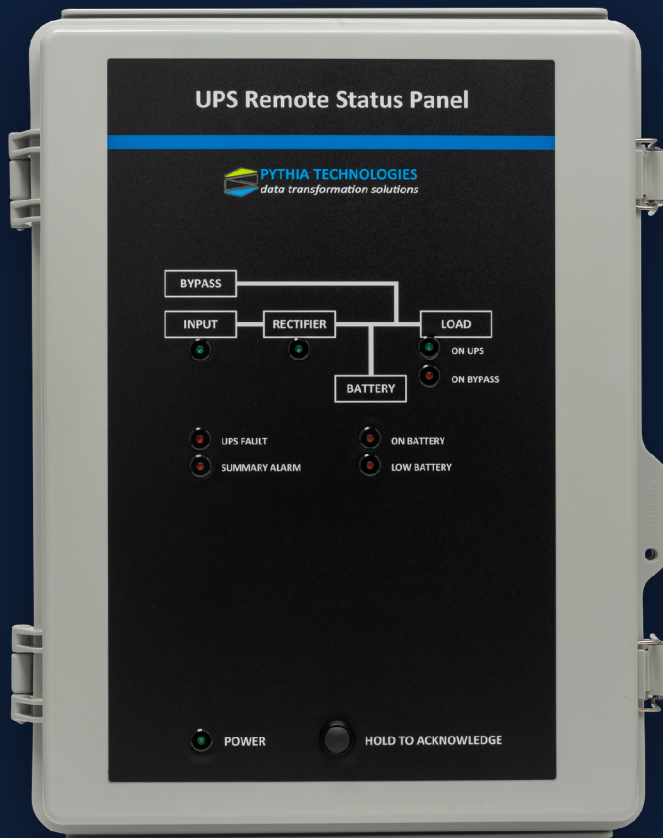




UPS REMOTE STATUS PANEL · CS0-RSP-UPS

See what your UPS is doing from up to 1,000 feet away.

The UPS Remote Status Panel puts a UPS's six key conditions on the wall where people work: a NOC, a help desk or an operations room. Each condition has its own LED, an alarm sounds when something changes, and every state is published over Modbus for your BMS.



6

UPS conditions, each with its own LED: on UPS, on bypass, on battery, low battery, UPS fault and summary alarm

1,000 ft

from the UPS on voltage-free dry-contact wiring

2

Modbus connections: Modbus RTU and Modbus/TCP. SNMP and BACnet/IP optional

1

common alarm relay for a beacon, horn or building annunciator

Works with almost any UPS that has dry-contact outputs or a relay card, from a rack-mount Liebert GXT5 to a three-phase system protecting a data hall.

Six LEDs

A one-line mimic shows where the power is flowing.

Audible alarm

Sounds on any change, with hold-to-acknowledge.

Alarm relay

One contact for any other system to watch.

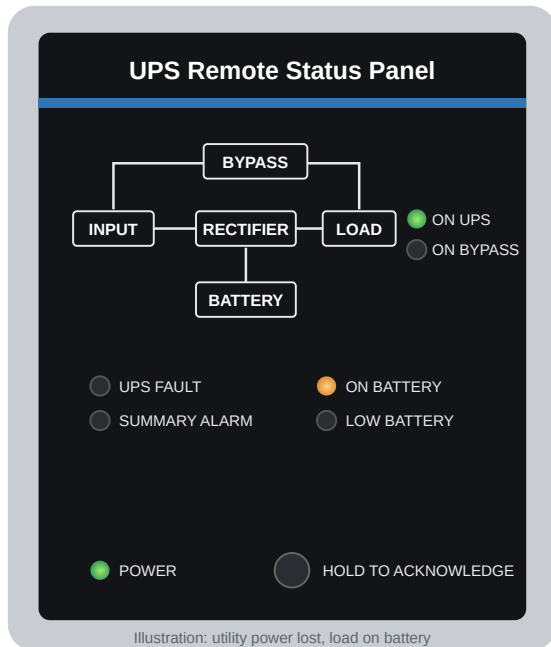
Networked

Modbus RTU and TCP; SNMP and BACnet/IP optional.

WHAT IT SHOWS

Six conditions that tell you whether the load is safe.

A UPS in a back room only signals locally. The panel reads six voltage-free contacts from the UPS and shows each one on the front, so the people who need to react see a power event as it happens.



On UPS

The UPS is supplying conditioned power to the load. Normal operation.

On Bypass

The load has moved to raw utility power, usually for maintenance or after an internal fault.

On Battery

Utility power has failed and the batteries are carrying the load.

Low Battery

Runtime is running short. The load is at risk if power doesn't return.

UPS Fault

The UPS has reported an internal fault that needs attention.

Summary Alarm

The UPS's general alarm, often a roll-up of any active condition.

Heard as well as seen

An audible alarm sounds when a condition changes. Hold to acknowledge silences it; the LED stays lit while the condition lasts.

One contact for everything

The common alarm relay (NO or NC, 6 A) drives a beacon, a horn or an input on your building annunciator.

On the network

All six conditions are published over Modbus RTU and Modbus/TCP. SNMP and BACnet/IP are available with an optional adapter.

No nuisance alarms

An alarm delay of 0 to 60 seconds filters brief transfers, and the buzzer can be enabled or disabled.

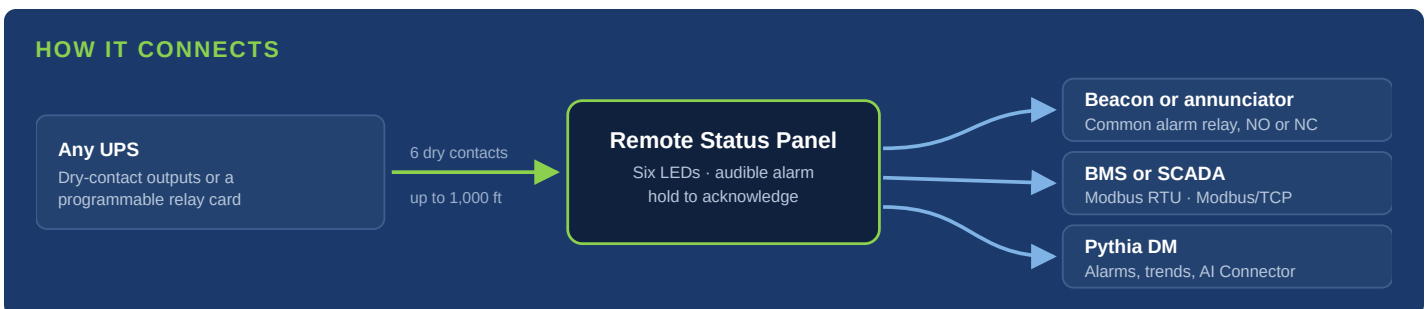
Simple to wire

Each terminal is labeled with its condition. Match the UPS contact to the label; the panel does the mapping.

Test it any time

Hold the Acknowledge button for about five seconds: every LED lights and the buzzer sounds.

HOW IT CONNECTS



WHERE IT'S USED

From a network closet to a data hall.

The panel reads plain dry contacts, so it works with small rack-mount units and large three-phase systems alike. These are the arrangements we see most often.

Closet UPS, status at the help desk

A Liebert GXT5 in an unmanned wiring closet

Inputs	On UPS, on battery, low battery, UPS fault
Panel	Help desk, about 250 ft away
Alarm delay	2 seconds
Relay	Small desk beacon

When utility power fails, On Battery lights and the buzzer sounds at the help desk. Low Battery is the cue to begin a graceful shutdown. The short delay ignores blips the UPS rides through.

A fleet of UPSs on the BMS

GXT5 units in closets across a campus

Inputs	All six, on each panel
Network	Modbus/TCP to the BMS
Addressing	Unique Modbus address or IP per panel

Each closet keeps a local panel for technicians, while the BMS polls every panel for one campus-wide view. With the optional adapter, the same points appear as BACnet objects.

Data hall UPS with a relay card

A three-phase UPS with a programmable relay card

Inputs	All six, assigned on the relay card
Panel	Operations room
Relay	Building annunciator

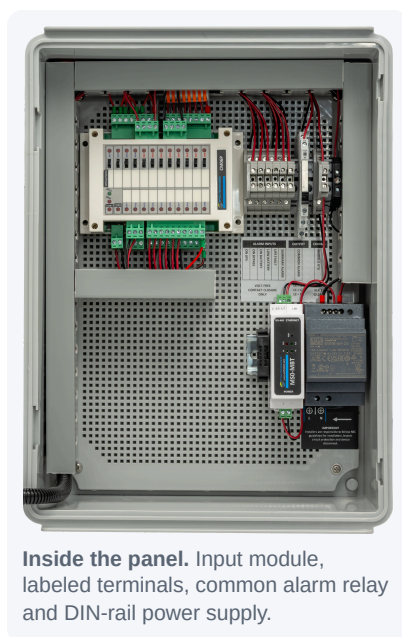
The card's relays are assigned to the six conditions and wired to the labeled terminals. Any active condition closes the common alarm relay, so a UPS event joins the facility's critical alarm chain.

UPS events in the Pythia DM

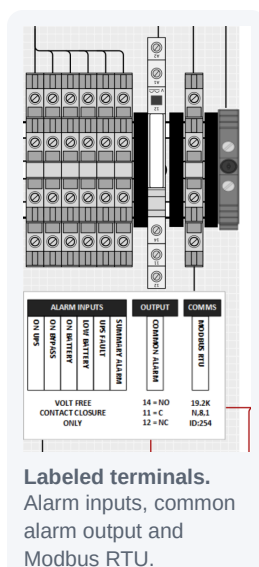
A critical UPS watched by your monitoring platform

Inputs	All six
Data path	Panel → Modbus → Pythia DM
AI	DM AI Connector

The DM polls the panel over Modbus, time-stamps every transfer and fault, and trends them. With the AI Connector, an assistant can answer from that history, for example how often the UPS went to battery last month.



Inside the panel. Input module, labeled terminals, common alarm relay and DIN-rail power supply.



Labeled terminals. Alarm inputs, common alarm output and Modbus RTU.

MODBUS REGISTERS

Condition	Register	Value
On UPS	41001	0 off, 1 on
On Bypass	41002	0 off, 1 on
On Battery	41003	0 off, 1 on
Low Battery	41004	0 off, 1 on
UPS Fault	41005	0 off, 1 on
Summary Alarm	41006	0 off, 1 on
Alarm delay	44001	0-60 s, R/W

The full register and BACnet object lists are in the product guide.

SPECIFICATIONS

UPS Remote Status Panel (CS0-RSP-UPS).

INPUTS AND OUTPUTS	
Alarm inputs	6 voltage-free dry contacts: On UPS, On Bypass, On Battery, Low Battery, UPS Fault, Summary Alarm
Distance	Up to 1,000 ft from the UPS. Belden 6300UE recommended
Common alarm relay	1, Normally Open or Normally Closed. 6 A at 250 VAC, 6 A at 30 VDC. Class 2 circuits only
Local indication	LED per condition on a UPS one-line mimic, power LED, audible alarm, hold-to-acknowledge button, LED test mode
COMMUNICATIONS	
Standard	Modbus RTU (default address 254, 19200, 8-N-1) and Modbus/TCP (default 192.168.0.7)
Optional	SNMP and BACnet/IP adapter
Configuration	Alarm delay 0–60 s and buzzer enable, set with the free Pythia Modbus tool over the network or a USB-485 adapter
PHYSICAL	
Enclosure	Wall-mount ABS, IP67 rated, UL94-V0. Meets or exceeds the UL 508A Open Industrial Control Panel standard
Power	120 VAC standard. 24 VAC and 48 VDC optional
Environment	–30 to 45 °C (–22 to 113 °F) inside the enclosure. 5 to 95% RH, non-condensing
Recommended wiring	Belden 6300UE for dry contacts, Belden 6300FE for Modbus RTU, CAT5e or better for Ethernet

Specifications are subject to change. Call for alternative assemblies and options.

PYTHIA DM · ADD THE PANEL TO YOUR MONITORING

From a status light to a full UPS history.

The Pythia DM polls the panel over Modbus and gives every UPS event an alarm, a notification, a time stamp and a trend. With the DM AI Connector, Claude, ChatGPT or any MCP assistant can answer from that live data.

Put your UPS status where people can see it.

Tell us which UPS you need to watch and where the panel will hang, and we'll confirm the wiring and options.

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