

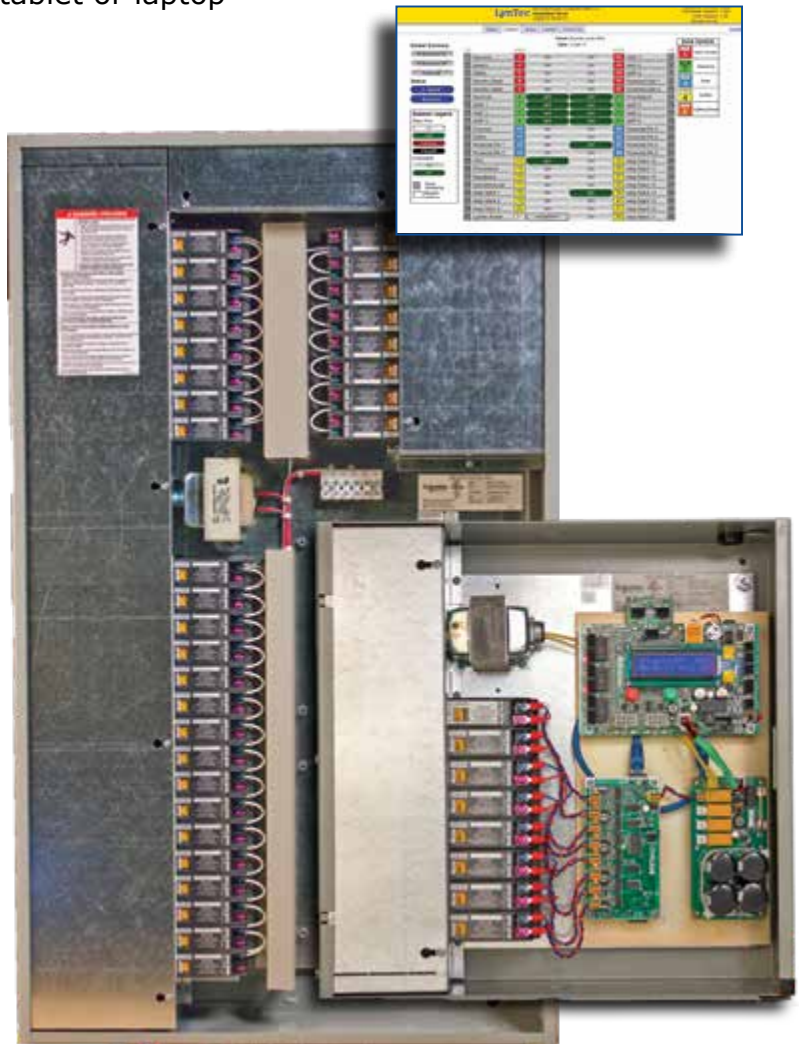
# LynTec RPCR Relay Panels

## The most complete self-contained electrical relay panel available

The patent pending RPC control platform is available for controllable relay panels. Every RPCR panel is shipped as a complete hardware/software package and ready to install.

Standard Features on all RPCR panels include:

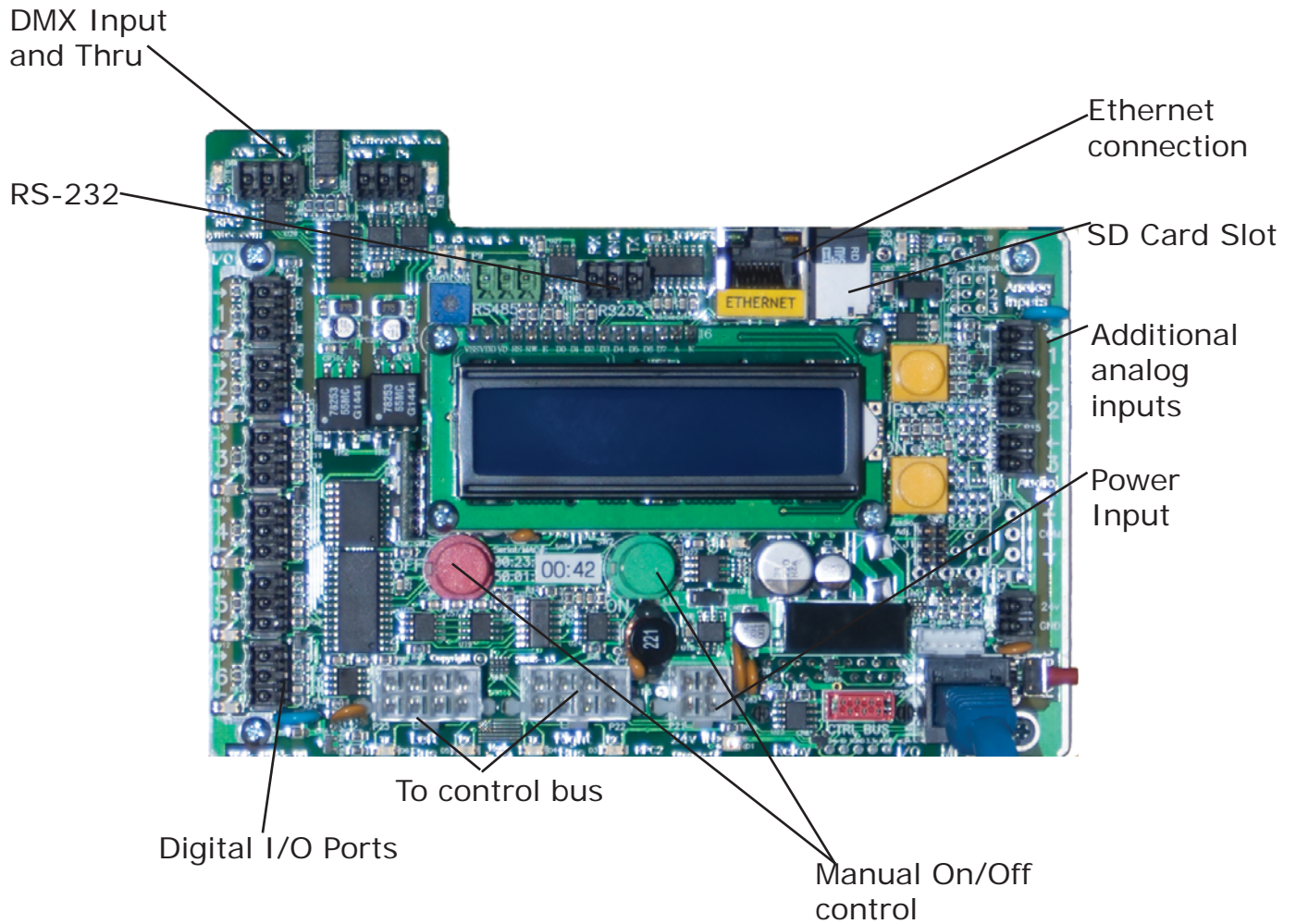
- ❑ Built-in web server with browser interface for super-easy set up.
- ❑ No on-site commissioning required, and LynTec takes the trouble calls direct.
- ❑ Built in IP interface for smart phone, tablet or laptop control and monitoring.
- ❑ Built in scheduling program with astronomical clock and 84 schedule events.
- ❑ Built in contact closure inputs for wall or sensor operation (up to 38 inputs).
- ❑ Can be interfaced with any control system that communicates individual circuit addresses in DMX, sACN, HTTP, Telnet, BacNET or RS-232.
- ❑ Seamless integration into existing building management systems.
- ❑ Circuit selectable load-shedding feature standard
- ❑ Circuit level sequencing with selectable step-rates standard
- ❑ Circuit selectable auto-on egress lighting feature standard
- ❑ Brownout (under-voltage) protection with automatic shut-down and controlled restart.
- ❑ ETL Listed to UL 508a and 924 standards



# RPC CONTROLLER

The LynTec controller increases interface options, simplifies programming, and adds remote status monitoring.

Easy setup for sequential system control for audio systems, or individual circuit control for non-dimmed lighting circuits.



# Relay Specifications

Panasonic 20A HID relays have been the industry standard for more than a decade. Their durable design provides reliable control for lighting and plugs loads and makes safety a priority.

Panasonic relays are available for both single and double pole loads.



## TECHNICAL INFORMATION

Relay Model	PAN-1P	PAN-2P	PAN-2P-480
Description	Single Pole HID Relay WR6161K-84	Double Pole HID Relay (up to 300V) WR6166-84	Double Pole HID relay (up to 480V) WR6172-84
UL-Rating: Electrical Life			
Output Contact Side:			
General Use	30A 300VAC	20A 300VAC	20A 480 VAC
Tungsten	2400W 120VAC	2400W 120VAC	2400W 120VAC
Ballast (Standard)	20A 300VAC	20A 300VAC	20A 480 VAC
Ballast (Electronic)	16A 277VAC	N/A	20A 480 VAC
Motor Starting, Single Phase	.5HP 110-125VAC 1.5HP 220-277VAC	.5HP 110-125VAC 1.5HP 220-277VAC	.5HP 110-125VAC 1.5HP 220-277VAC
Auxilliary Contact Side:			
General Use	1A 125VAC	1A 125VAC	1A 125VAC
Short Circuit Rating	18kA 277VAC	5kA 277VAC	5KA 277VAC
Performance	60k operations	60k operations	60k operations

## Models and Options

- RPCR-8 (8 single pole relays (PAN-1P))
- RPCR-16 (16 single pole relays (PAN-1P))
- RPCR-24 (24 single pole relays (PAN-1P))
- RPCR-32 (32 single pole relays (PAN-1P))
- RPCR-48 (48 single pole relays (PAN-1P))
- RPCR-64 (64 single pole relays (PAN-1P))

Double pole relays can be exchanged for single pole relays for an additional charge. One PAN-2P relay replaces one PAN-1P relay. One PAN-2P-480 relay replaces **two** PAN-1P relays.

# Web Enabled User Interface

Every RPC controller has a web server built in, so there is no software to buy, load or program. Simply plug in a network connection to the RPC controller, take the IP code off the LCD screen, and any browser enabled device on the network can load the IP address and access the RPC user interface (provided they have the user name and password).

## CONTROL IS AS EASY AS CLICKING A BUTTON!

Global controls allow you to easily control all

Relevant system information

Circuit address color corresponds to the assigned zone

Status indicators show which emergency features are activated

One click individual circuit control

Easy to read relay status shows if the relay is on, off, tripped, manually overridden or failed.

The screenshot displays the LynTec web interface. At the top, a yellow banner contains system information: Remote Power Controller (RPC-2), LynTec Test Job, 10/8/2015 15:44:15, Master panel temp: 78°F/25.9°C, Hardware Version: 2.0, Firmware Version: 2.41c, Web Version: 2.40, Network: Connected, Monitored VAC: 0.0 VAC, Logic Core(3.3v): 3.3 v, Peripherals(5.0v): 5.0 v, Cap Buffer(24.0v): 24.0 v, DMX512: Inactive, sACN: Inactive, AC Monitoring: Disabled, SD Storage: Disabled. Below the banner are tabs for Status, Control, Setup, Support, and Event Log. The main content area is titled 'Panel: Panel A' and 'Date: 1-Jan-12'. It features a 'Global Controls' section with buttons for 'All Circuits On', 'All Circuits Off', 'Hurry-Off', 'E. Shutoff', and 'E. Lighting'. A 'Status' section shows 'E. Shutoff' and 'E. Lighting' as active. A 'Circuit Legend' section defines status indicators: ON (white), OFF (green), TRIPPED (red), MANUAL ON (yellow), FAILURE (black), and Controllable (ON/OFF/TRIPPED). The main table lists 32 breakers (01-32) with columns for CIR, ADDR, and status. A 'Zone Control' section on the right shows 7 zones with their respective status indicators. A legend at the bottom left explains the color coding for Panel Numbering and Circuit Address.

CIR	ADDR	ON	OFF	TRIPPED	MANUAL ON	FAILURE	Controllable
1	Breaker 01	1	ON	ON	17	Breaker 16	17
2	Breaker 02	2	ON	OFF	18	Breaker 17	18
3	Breaker 03	3	ON	ON	19	Breaker 18	19
4	Breaker 04	4	ON	OFF	20	Breaker 19	20
5	Breaker 05	5	ON	ON	21	Breaker 1A	21
6	Breaker 06	6	ON	OFF	22	Breaker 1B	22
7	Breaker 07	7	ON	ON	23	Breaker 1C	23
8	Breaker 08	8	ON	OFF	24	Breaker 1D	24
9	Breaker 09	9	ON	ON	25	Breaker 1E	25
10	Breaker 0A	10	ON	ON	26	Breaker 1F	26
11	Breaker 0B	11	ON	ON	27	Breaker 20	27
12	Breaker 0C	12	ON	ON	28	Breaker 21	28
13	Breaker 0D	13	ON	ON	29	Breaker 22	29
14	Breaker 0E	14	ON	ON	30	Breaker 23	30
15	Breaker 0F	15	ON	ON	31	Breaker 24	31
16	Breaker 10	16	ON	ON	32	Breaker 25	32



# RPC User Interface Setup Page

Setting up global commands, circuit zones, sequencing queues, schedules etc. is so simple with the RPC interface that no commissioning is required by the factory. Watch our set-up videos and you're certified! All of the set up commands are clicking boxes and picking out options from drop-down menus. Here are a few examples from our setup/panels page.

Don't forget to save changes

Choose the numbering and addressing scheme to fit your design

Select which global controls and emergency features to utilize

Choose which relays open or close in the event of an emergency or brownout

Zones can be assigned to contact closures or schedules

Add relays to a zone by clicking the "Edit Zone" button and then clicking the relay

Enable up to 12 zones

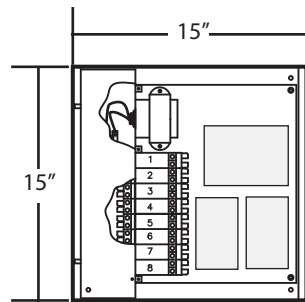
Editable text fields

The screenshot displays the LynTec Remote Power Controller (RPC-2) interface. At the top, a yellow status bar shows system information: Remote Power Controller (RPC-2), LynTec Test Job, 10/8/2015 15:57:57, Master panel temp: 80°F / 27.2°C, Hardware Version: 2.0, Firmware Version: 2.41c, Web Version: 2.40, Network: Connected, Monitored VAC: 0.0 VAC, Logic Core(3.3v): 3.3 v, Peripherals(5.0v): 5.0 v, Cap Buffer(24.0v): 24.0 v, DMX512: Inactive, sACN: Inactive, AC Monitoring: Disabled, SD Storage: Disabled. Below the status bar are tabs for Status, Control, Setup, Support, Event Log, and Logout. The main interface is divided into several sections. On the left, there are buttons for 'Save Changes', 'Undo Changes', and 'Scan New Circuits'. Below these are sections for 'Circuit Numbering' (Left-Right, Top-Bottom, Bottom-Feed), 'Addressing Scheme' (Left-Right, Top-Bottom), and 'Every Circuit' (All Circuits On, All Circuits Off, E. Shutoff, E. Lighting, Audio, Brownout). The central part of the interface is a table with columns for CIR, DESCRIPTION, ADDR, B, L, E, CIRCUIT, and CIRCUIT. It lists 32 breakers (Breaker 01 to Breaker 32) with their respective addresses and circuit configurations. On the right, there is a 'Zone Control' section with a table for zones (Zone 01 to Zone 12). Each zone has a 'Name/Seq' column and an 'Options' column. The 'Options' column includes a 'Sequence' dropdown and a 'No Schedul' button. The 'Edit Zone' button is located at the bottom of the 'Zone Control' section.

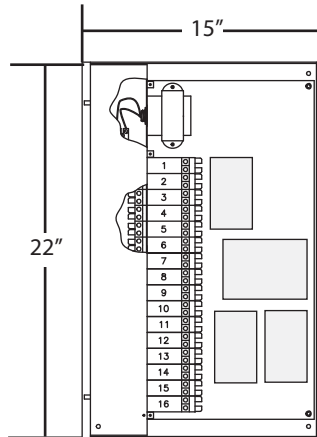
CIR	DESCRIPTION	ADDR	B	L	E	CIRCUIT	CIRCUIT	E	L	B	ADDR	DESCRIPTION	CIR
1	Breaker 01	1				(1) 1 sec	(2) 25 ms				17	Breaker 16	17
2	Breaker 02	2				(2) 1 sec	(1) 25 ms				18	Breaker 17	18
3	Breaker 03	3				(3) 1 sec	(3) 25 ms				19	Breaker 18	19
4	Breaker 04	4				(4) 1 sec	(2) 25 ms				20	Breaker 19	20
5	Breaker 05	5				(1) 25 ms	(1) 25 ms				21	Breaker 1A	21
6	Breaker 06	6				(2) 8 sec	(3) 25 ms				22	Breaker 1B	22
7	Breaker 07	7				(4) 500 ms	(4) 25 ms				23	Breaker 1C	23
8	Breaker 08	8				(4) 500 ms	(4) 25 ms				24	Breaker 1D	24
9	Breaker 09	9				(3) 500 ms	(1) 25 ms				25	Breaker 1E	25
10	Breaker 0A	10				(6) 500 ms	(2) 25 ms				26	Breaker 1F	26
11	Breaker 0B	11				(1) 1 sec	(3) 1 sec				27	Breaker 20	27
12	Breaker 0C	12				(2) 1 sec	(4) 1 sec				28	Breaker 21	28
13	Breaker 0D	13				(1) 500 ms	(1) 25 ms				29	Breaker 22	29
14	Breaker 0E	14				(4) 500 ms	(2) 25 ms				30	Breaker 23	30
15	Breaker 0F	15				(2) 500 ms	(2) 25 ms				31	Breaker 24	31
16	Breaker 10	16				(3) 500 ms	Add				32	Breaker 25	32

Zone	Name/Seq	Options
1	Zone 01	(2-3) CC 01
2	Sequence	No Schedul
3	Zone 02	No CC
4	Grouped	No Schedul
5	Zone 03	(4) CC 04
6	Sequence	No Schedul
7	Zone 04	(5) CC 05
8	Grouped	No Schedul
9	Zone 05	No CC
10	Sequence	No Schedul
11	Zone 06	(7) CC 07
12	Grouped	No Schedul
13	Zone 07	(8) CC 08
14	Sequence	No Schedul
15	Zone 08	(9) CC 09
16	Disabled	No Schedul
17	Zone 09	(10) CC 0A
18	Sequence	No Schedul
19	Zone 0A	(11) CC 0B
20	Disabled	No Schedul
21	Zone 0B	(12) CC 0C
22	Disabled	No Schedul
23	Zone 0C	(13) CC 0D
24	Disabled	No Schedul

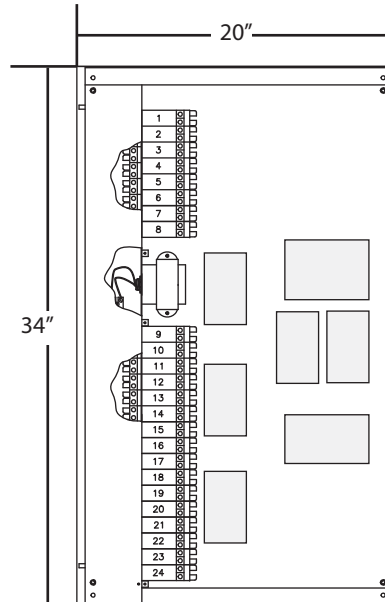
# Mechanical Drawing for RPCR-8, RPCR-16, RPCR-24, RPCR-32



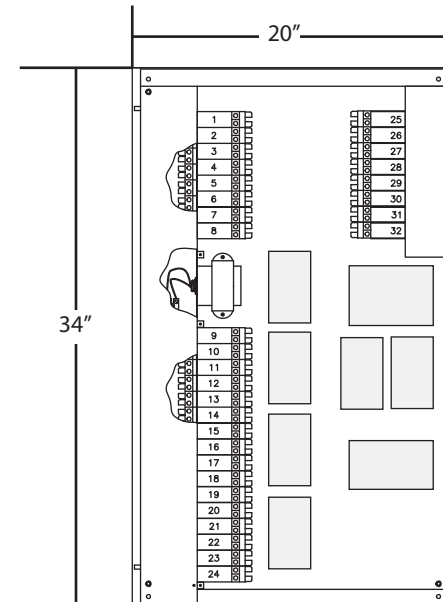
RPCR-8



RPCR-16

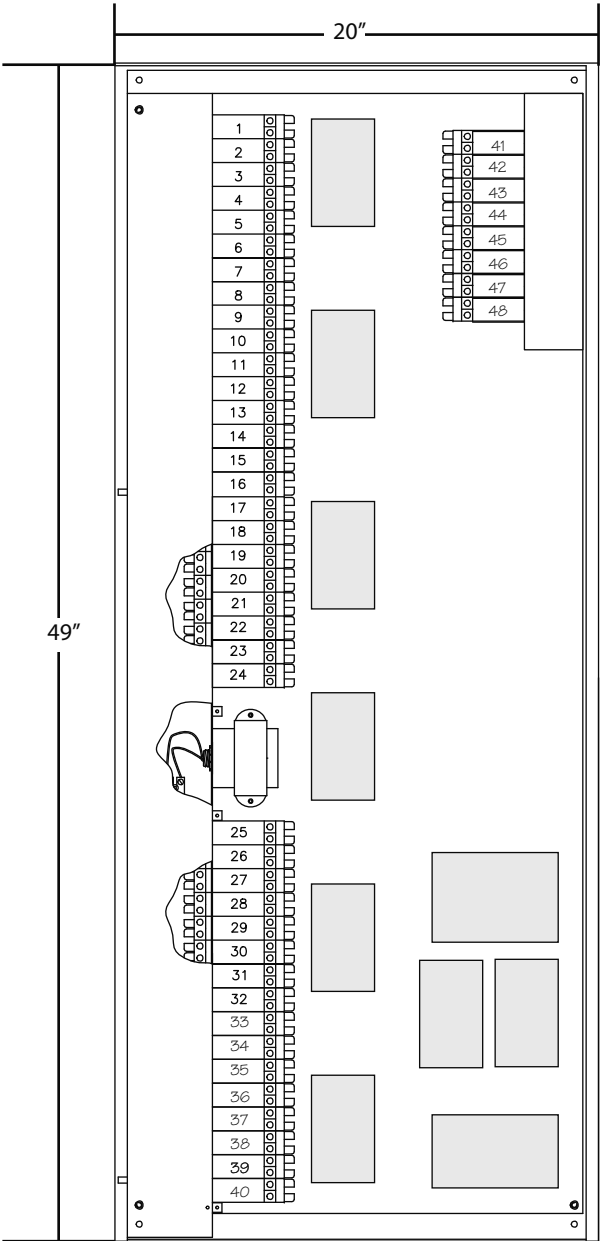


RPCR-24

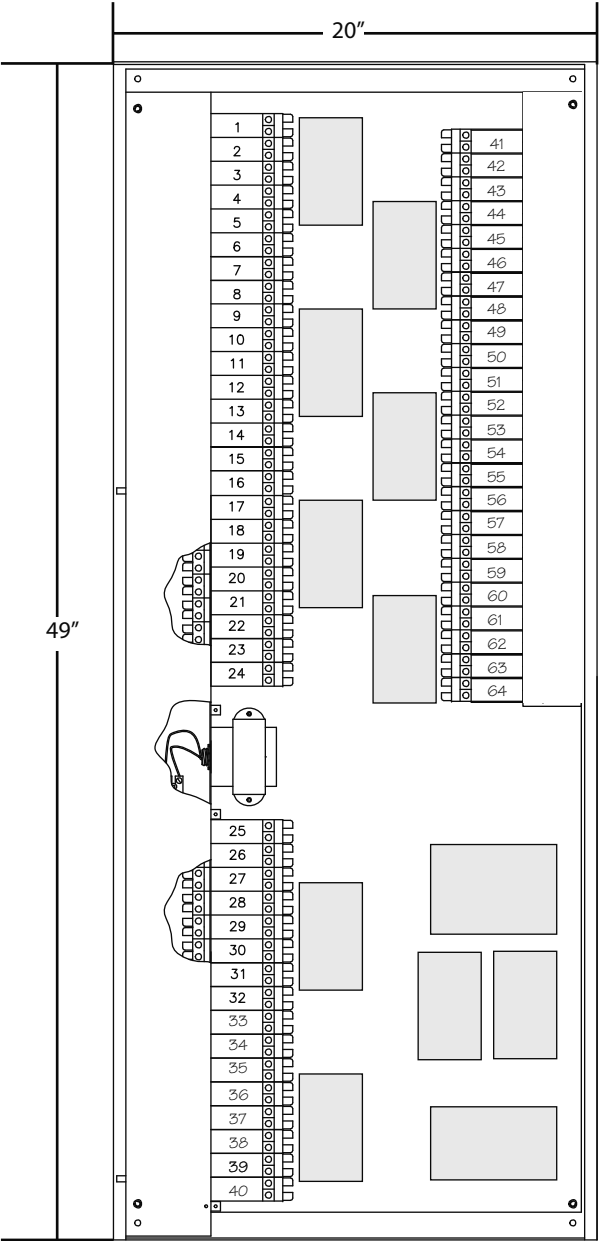


RPCR-32

Mechanical Drawing for RPCR-48 and RPCR-64



RPCR-48



RPCR-64