

## Description

The Gamewell-FCI CDP8 Constant-Duty Power Supply is a regulated, power-limited, 24 VDC, 8.0 amp. power supply which can be used anywhere a constant 24 VDC source is required. The CDP8 is suited and UL-Listed for fire alarm, access control, and general power supply applications.

The Gamewell-FCI CDP8 provides four (4) power-limited, 24 VDC, 3.0 amp. outputs. Each output can be individually configured to shed its load (turn off) during a power failure to extend available standby battery power for designated critical circuits.

Each output circuit is monitored for overload or shorted conditions, with the trouble condition indicated by a specific circuit trouble LED and activation of the common trouble relay. Overloaded circuits will automatically restore when the overload is removed.

### Engineer's Specifications

The power supply shall provide four (4) output circuits capable of up to 3.0 amp. continuous 24 VDC each to a maximum of 8.0 amps. total. The output voltage shall be regulated and power-limited. Each output circuit shall be configurable to shed its load with the loss of the primary AC source. The Constant-Duty Power Supply shall include an internal battery charger with charging capacity of 26 AH. It shall also be operational from an externally charged battery. Operational troubles shall be indicated by seven LEDs and a common trouble Form-C relay. The supply shall also have a delayed AC Fail relay. The Constant-Duty Power Supply shall be Gamewell-FCI, model CDP8.

## Specifications

<b>Primary Input Power:</b>	120 VAC, 50/60 Hz, 3.5 A or 220 V, 1.9 A, jumper-selectable.
<b>Secondary Power:</b>	24-volt: two 7 – 26 AH batteries
<b>Battery Charging Capacity:</b>	Up to 26 AH batteries
<b>Total Output Power:</b>	8.0 A maximum
<b>Standby Current:</b>	0.03 A
<b>Output Ratings:</b>	24 VDC fully regulated, 3.0 A maximum per circuit, 8.0 A total
<b>Cabinet Dimensions:</b>	18.0" H x 12.5" W x 4.5" D (45.72 H x 31.75 W x 11.43 D cm)

## Constant-Duty Power Supply



CDP8

## Features

- Four (4) configurable monitored outputs
- 8.0 A, 24 VDC, fully regulated full-load output (power-limited)
- Seven (7) trouble and status LEDs
- Common trouble Form-C relay
- Isolated AC Fail Form-C relay
- Selectable AC Fail notification relay
- Ground fault detection
- 26.0 A battery-charger capability
- Selectable internal battery charger disable
- Selectable internal ground fault detection disable
- Selectable load shedding on AC Fail per output

An ISO 9000-2000 Company



### GAMEWELL-FCI

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Specifications are for information only, are not intended for installation purposes, and are subject to change without notice. No responsibility is assumed by Gamewell-FCI for their use.

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## Specifications (Continued)

<b>Cabinet Battery Space:</b>	Up to two 12 AH batteries (maximum) inside cabinet. Larger batteries require a separate battery cabinet.
<b>Relative Humidity:</b>	10 – 93% non-condensing
<b>Temperature Rating:</b>	32°F – 120°F (0°C – 49°C)
<b>Common Trouble Relay:</b>	2A/30 VDC or 120 VAC
<b>AC Fail Relay:</b>	2A/30 VDC or 120 VAC

## Ordering Information

<b>Part Number</b>	<b>Description</b>
<b>CDP8</b>	24 VDC, 8.0 amp. power supply with integral battery charger
<b>BAT-1270</b>	Battery, 12 VDC, 7 AH (two required for 24 V operation)
<b>BAT-12120</b>	Battery, 12 VDC, 12 AH (two required for 24 V operation)
<b>30069</b>	Power supervision end-of-line relay, 24VDC

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