

## Applications

Power Generators  
Submersible Pumps  
Textile

Agricultural Equipment  
Cement Cutting Equipment  
Food Processing

Production Assembly Equipment  
Spa and Hot Tubs  
Vending Equipment



## Extra Heavy Duty Industrial Circuit Guard® Hard Wired 30A GFCI - UL Type 4X Rated

| Description                                     | Voltage        | Alarm   | Automatic Set    | Manual Set       |
|---|----------------|---------|------------------|------------------|
| Hard wired, manual set and automatic set GFCIs. | 120V AC        | None    | <b>GFHW13105</b> | <b>GFHW13005</b> |
|   | 120V AC        | Audible | <b>GFHW13115</b> | <b>GFHW13015</b> |
|   | 240V AC        | None    | <b>GFHW23105</b> | <b>GFHW23005</b> |
|   | 240V AC        | Audible | <b>GFHW23115</b> | <b>GFHW23015</b> |
|   | 120/240V AC    | Audible | <b>GFHW33115</b> | <b>GFHW33015</b> |
|   | 3Ø 250V AC     | None    | <b>GFHW531</b>   | <b>GFHW530</b>   |
|   | 3Ø 120/208V AC | None    | <b>GFHW431</b>   | <b>GFHW430</b>   |



Automatic Reset GFCI



Manual Reset GFCI

## Specifications

| Electrical Ratings             |  |
|--------------------------------|--|
| Rated Voltage                  | 120V AC, 240V AC, 120/240V AC, 3Ø 250V AC, 3Ø 120/208V AC.                                   |
| Operating Voltage Range        | 85% to 110%.   |
| Current                        | Up to 30A or device rating.  |
| Frequency                      | 60 Hz.   |
| Trip Level                     | 4-6 mA.  |
| Phase                          | Single.  |
| Response Time                  | .025 sec. Max.   |
| Dielectric Withstand           | 1500 VRMS across contact, 4000 VRMS between conductors and enclosure.                        |
| Surge Withstand                | 6000V impulse, 0.5 microseconds rise time 100kHz ringing frequency with 40% decay per cycle. |
| Let Go Line Voltage            | 60% of rated.  |
| Grounded Neutral Detection     | 6 Ohms or less.  |
| Power Up                       | Manual or automatic reset.   |
| Environmental Ratings          |  |
| Housing Rating                 | UL Type 4X.  |
| Construction                   | Industrial grade design.   |
| Type                           | Class A GFCI.  |
| Operating Temperature          | -35°C to 66°C, -30°F to 150°F.   |
| Leakage Current @ 93% Humidity | Zero.  |

## Features

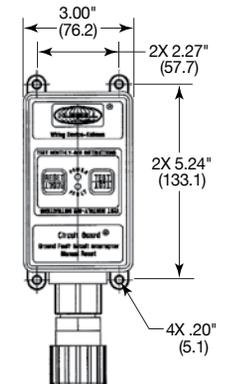
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|-----------------------------|--|
| Life (Endurance)            | 10,000 cycles (6000 with load and 4000 without load).<br>Open neutral protection Trips upon loss of neutral. |
| Grounded Neutral Protection | Trips if ground and neutral touch at load side.  |
| Power On Indicator          | Green light on.  |
| Power Off Indicator         | Red blinking light plus optional audible alarm.  |
| Wiring Application          | 3 Wire Single Phase (Hot, Neutral and Ground),<br>4 Wire Single Phase (Line 1, Line 2, Neutral and Ground).  |
| Switch Interface            | Double Insulated.  |
| Latching Mechanism          | Electromagnetic.   |

## Physical Specifications

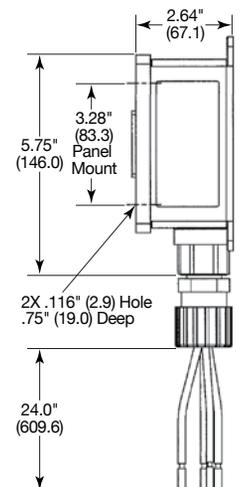
|  |   |
|--|---|
| Wire Leads                                   | #10 AWG, 24" long.  |
| Unit Color                                   | Gray with black cover.  |
| Label Color on Portable and Hard Wired Units | Automatic reset: yellow background with black lettering.<br>Manual reset: black background with yellow lettering. |
| Weight                                       | 1.40 lbs.   |

## Related Code

|                    |  |
|--------------------|--|
| Confined Space     | OSHA 29 CFR 1926.404 (b) (1) (ii)<br>OSHA 29 CFR 1926.405 (a) (2) (ii) (G) |
| Construction Sites | NEC 590.6  |
| Commercial Garages | NEC 511.12   |
| Fountains          | NEC 680.5B   |
| Spas and Hot Tubs  | NEC 680.40   |
| Marinas            | NEC 555.3  |



Product Dimensions



Side View

Dimensions in Inches (mm)