



# Protector™

## CPX, BPX, and FPX

### EXCEPTIONAL PERFORMANCE IN ALL GROUNDING CONDITIONS

- ✓ **Three automatic re-settings:** Eliminating nuisance tripping, saving cost of service calls.
- ✓ **Automatic memory reset:** Nuisance trips do not accumulate, eliminating unnecessary service calls.
- ✓ **One size hardware, one size tool fits all:** Quick and easy installation.
- ✓ **All information on one colored label:** Ratings and diagnostics are easier to read.
- ✓ **By-pass service button:** Simplifies fault finding during service call.
- ✓ **Works under any wiring polarity or grounding condition:** Keeps your customer happy by eliminating needless and frustrating service calls.
- ✓ **Same case size & footprint:** Like for like field changeover for non-protected transformers.



## User Friendly Ground Fault Protection

**Service Button:** Allows the secondary ground fault protection (SGFP) mode to be bypassed for approximately 30 minutes. Note: The LED will blink Red if the unit has tripped and is not properly grounded. To prevent electrical shock hazard, the unit will not enter the bypass mode while improperly grounded.

**Auto-Reset:** The transformer will attempt to reset itself 3 times. The reset feature will help avoid nuisance tripping. The reset interval is approximately 3 seconds.

## Diagnostic LED Operation:

| LED Mode  | Root Cause   |
|---|--|
| <ul style="list-style-type: none"> <li>● LED Off</li> <li>● Continuous Flashing</li> <li>● 1 Flash, Long Pause</li> <li>● 2 Flashes, Pause</li> <li>● LED ON</li> <li>● To reset transformer, cycle power off and on</li> </ul> | <ul style="list-style-type: none"> <li>● Normal Operation</li> <li>● Secondary Fault</li> <li>● Transformer overheated</li> <li>● Transformer case missing service ground</li> <li>● Transformer in bypass service mode</li> </ul> |

| · Standard Outdoor Style · Heavy Duty Outdoor<br>· Non-Weatherproof · Normal Power Factor (120 Volts - 60 Hertz) |      |           |     |              |              |           |
|--|------|-----------|-----|--------------|--------------|-----------|
| Part No.   | 120V | Line Amp. | VA  | Secondary kV | Secondary mA | WT (lbs.) |
| 101530BPX120 R   |      | 3.75      | 450 | 10-15        | 30           | 22        |
| 1530BPX120   |      | 3.75      | 450 | 15           | 30           | 22        |
| 1230BPX120   |      | 3.0       | 360 | 12           | 30           | 22        |
| 5930CPX120 R   |      | 2.25      | 270 | 5-9          | 30           | 12        |
| 930CPX120  |      | 2.25      | 270 | 9            | 30           | 13        |
| 7530CPX120   |      | 1.88      | 225 | 7.5          | 30           | 13        |
| 101530FPX120 R   |      | 3.75      | 450 | 10-15        | 30           | 23        |
| 1530FPX120 R   |      | 3.75      | 450 | 15           | 30           | 23        |
| 1230FPX120 R   |      | 3.0       | 360 | 12           | 30           | 23        |
| 5930FPX120 R   |      | 2.25      | 270 | 5-9          | 30           | 15        |
| 7530FPX120 R   |      | 1.88      | 225 | 7.5          | 30           | 15        |
| 930FPX120 R  |      | 2.25      | 270 | 9            | 30           | 15        |

| MEASUREMENTS |                |                    |     |     |                |     |
|--------------|----------------|--------------------|-----|-----|----------------|-----|
|              | Overall Length | Housing Dimensions |     |     | Mounting Holes |     |
|              |                | L                  | W   | H   | ML             | MW  |
| BPX          | 12.5           | 10.9               | 4.2 | 5.3 | 9.6            | 2.7 |
| CPX          | 11.875         | 10.0               | 3.6 | 4.0 | 8.7            | 2.0 |
| FPX          | 12.5           | 12.5               | 4.4 | 6.8 | 11.8           | 2.5 |