September 2022 EPS 901-104_ZD Pro 1-2 Phase Rev D



ZoneDefender Pro range -1-2 Phase

The most compact, powerful, feature-rich AC surge protector available

- 80kA, 100kA & 120kA surge-current rating per phase
- Includes high-performance EMI/RFI filtering
- LED status indication via solid state diagnostics plus remote indication contacts
- Built-in audible alarm
- Thermal and short circuit fusing
- Short circuit current rating: 200k AIC
- UL 1449 4th Edition Listed
- 10 year product warranty



The ZoneDefender PRO range is a versatile, high performance surge protector designed for use in a wide variety of industrial, institutional and commercial applications. The ZoneDefender PRO is the most compact, powerful, feature-rich surge protector on the market today. State-of-the-art circuitry protects equipment from high frequency noise as well as from damaging electrical transients and high-energy disturbances. In addition, the ZoneDefender PRO range offers costeffective high capacity protection along with application versatility; features which make the range the ultimate surge protection solution.

ZoneDefender PRO units provide protection between Line to Neutral, Line to Ground, Line to Line and Neutral to Ground. Utilizing Metal Oxide Varistor (MOV) technology, the ZoneDefender PRO's protection circuits are highly reliable, dual-redundant varistor networks ensuring your site is never unprotected. Fully automatic in operation, ZoneDefender PRO reacts immediately, clamping voltage surges without causing undue leakage losses under normal operation. No operator intervention is required, ZoneDefender PRO resets automatically and is maintenance free. **Suitable for all AC power applications,** ZoneDefender PRO devices provide protection for AC power supplies with no restriction to the amount of load current.

Thermal fusing is incorporated into each ZoneDefender PRO as an additional safety feature. Short circuit protection with 200kA AIC rating. is also supplied, as standard, for added peace of mind.

ZoneDefender PRO offers an LED status indication allowing each varistor network to be continually monitored and indicated by LEDs on the front panel of the device. In addition, remote monitoring is enabled by the unit's remote indication contacts.

Installation is simple - the ZoneDefender PRO devices can be easily surface or nipple mounted.

The ZoneDefender PRO range is UL 1449 4th Edition Listed and boasts an unrivaled 10 year 'no questions asked' manufacturers product warranty. ZoneDefender PRO devices also exceed the requirements of ANSI/IEEE C62.45 and ANSI/IEEE C62.41.

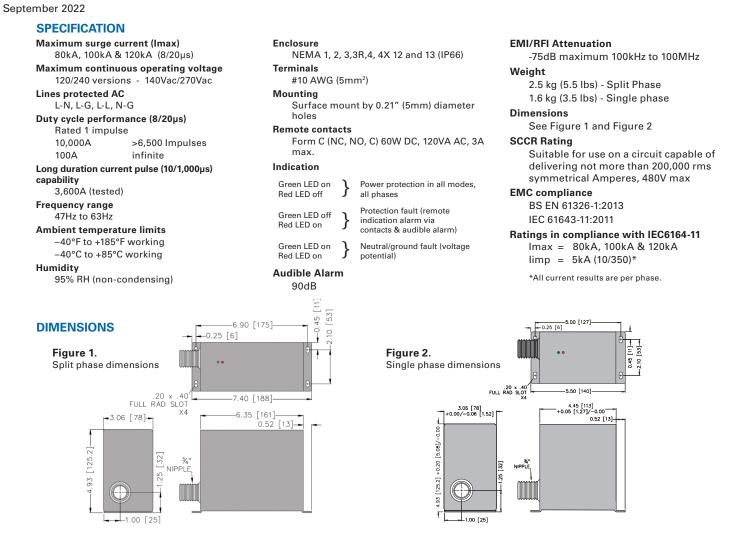


Eaton Electric Limited, Great Marlings, Butterfield, Luton Beds, LU2 8DL, UK. Tel: + 44 (0)1582 723633 Fax: + 44 (0)1582 422283 E-mail: mtlenquiry@eaton.com www.mtl-inst.com © 2022 Eaton

© 2022 Eaton All Rights Reserved Publication No. EPS 901-104_ZD Pro 1-2 Phase Rev D September 2022

DRAFT- 7th September 2022

MTL 901-104 ZD Pro 1-2 Phase



TO ORDER SPECIFY:

| Model | Working voltage | UL1449 VPR 4th Edition | Limiting voltage | | | Ringwave | |
|----------------|--------------------|---------------------------|------------------|------------|----------------|----------|------------------------|
| | | | @ 3kA | @10kA (In) | U _p | @200A | Phase types |
| 80kA versions | (V) | (V) | (V) | (V) | (kV) | (V) | |
| ZD16700 | 120 | 600 | 580 | 800 | 0.8 | 60 | Single phase 2-wire |
| ZD16701 | 120/240 | 600 | 580 | 800 | 0.8 | 60 | Split phase 3-wire |
| ZD16709 | 240 | 1200 | 890 | 1200 | 1.2 | 75 | Single phase 2-wire TT |
| ZD16900 | 120TT | 600/1200 | 580/890 | 800/1300 | 0.8/1.3 | 60/75 | Single phase 2-wireTT |
| ZD16901 | 120/240TT | 600/1200 | 580/890 | 800/1300 | 0.8/1.3 | 60/75 | Split phase 3-wireTT |
| 100kA versions | | | | | | | |
| ZD16730 | 120 | 600 | 580 | 800 | 0.8 | 60 | Single phase 2-wire |
| ZD16731 | 120/240 | 600 | 580 | 800 | 0.8 | 60 | Split phase 3-wire |
| ZD16739 | 240 | 1200 | 890 | 1200 | 1.2 | 75 | Single phase 2-wireTT |
| 120kA versions | | | | | | | |
| ZD16740 | 120 | 600 | 580 | 800 | 0.8 | 60 | Single phase 2-wire |
| ZD16741 | 120/240 | 600 | 580 | 800 | 0.8 | 60 | Split phase 3-wire |
| ZD16749 | 240 | 1200 | 890 | 1200 | 1.2 | 75 | Single phase 2-wireTT |

APPROVALS:

| Country | Standard/Authority | Approved for | Product |
|---------------|----------------------------|------------------|---|
| USA Canada | UL 1449 4th Edition Listed | AC power product | ZD16700, ZD16701, ZD16709, ZD16900, ZD16901, ZD16730, ZD16731, ZD16739, ZD16740, ZD16741, ZD16749 |



Eaton Electric Limited, Great Marlings, Butterfield, Luton Beds, LU2 8DL, UK. Tel: + 44 (0)1582 723633 Fax: + 44 (0)1582 422283 E-mail: mtlenquiry@eaton.com www.mtl-inst.com

© 2022 Eaton All Rights Reserved Pub. No. EPS 901-104_ZD Pro 1-2 Phase Rev D 070922 September 2022 EUROPE (EMEA): +44 (0)1582 723633 mtlenguiry@eaton.com

THE AMERICAS: +1 800 835 7075 mtl-us-info@eaton.com

ASIA-PACIFIC: +65 6 645 9888 sales.mtlsing@eaton.com The given data is only intended as a product description and should not be regarded as a legal warranty of properties or guarantee. In the interest of further technical developments, we reserve the right to make design changes.