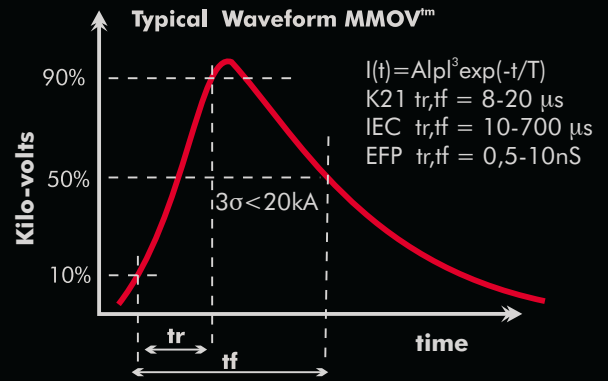




Total Protection any application:



In a complex, structured world where we demand full integrity from our systems, it makes sense to fit the best protection barriers available.

The Zymax range of lightning barriers not only meet this criterion but also boasts smart protection and compete exceptionally well on price, delivery, footprint and technology.

All products are high very energy rated. They can self test or even check that they have been correctly wired to the system to be protected!

Our design department has been actively involved with protection from early systems through to semi-conductor technology through to intelligent barriers.

We call this 3rd Generation technology for the 21st Century.

Surprisingly, Lightning Protection and SPD design has changed very little in the last 20 years. This means that

suppliers may not be giving their customers the best performance and user benefits for protecting modern technology.

For example, the bulk of the industry is still not fitting thermal fuses on their equipment as standard even though it has been known for several years that MOV type devices are degraded with lightning strikes and that the end result is invariably severe overheating of the primary protectors in the field - sometimes with disastrous results.

Zymax have patented MMOV[™] technology to eradicate this problem and this is a world first.

Also much annunciation is not truly "fail-safe" these days, and if a warning LED fails, the customer cannot know. Again here at Zymax we have solved this problem too, with no increase in cost to the customer. In fact not only do our products self-test but the

mains products also check the important "earth" connection and the phase wiring to the barrier itself! This is unique.

Zymax Engineers have a wealth of expertise, many "firsts" in the industry, and a pride for innovative product design. They have been featured on TV and have been field proven so we know what works and what doesn't.

When you buy from other sources you always have to add the cost and workload of fitting external isolating and fusing boxes for mains SPD's - not any more; we can even supply ready wired barriers including an isolating fuse and glands in our BU enclosures..

There are many mounting options from C and G DIN rail through to IP65 enclosures complete with glands and isolating fuses.

Contact us today for your specialist distributor - our aim is to give the best protection, the best price and of course, the best delivery.



All Zymax Products are fully warranted and independently tested to meet stringent EMC and Lightning Protection Standards including **EN60950, EN55022, EN61000-4-5, CCITT K17, EN410003 and BS6651.**

Zymax - Key Features



KEY FEATURES - unique and innovative

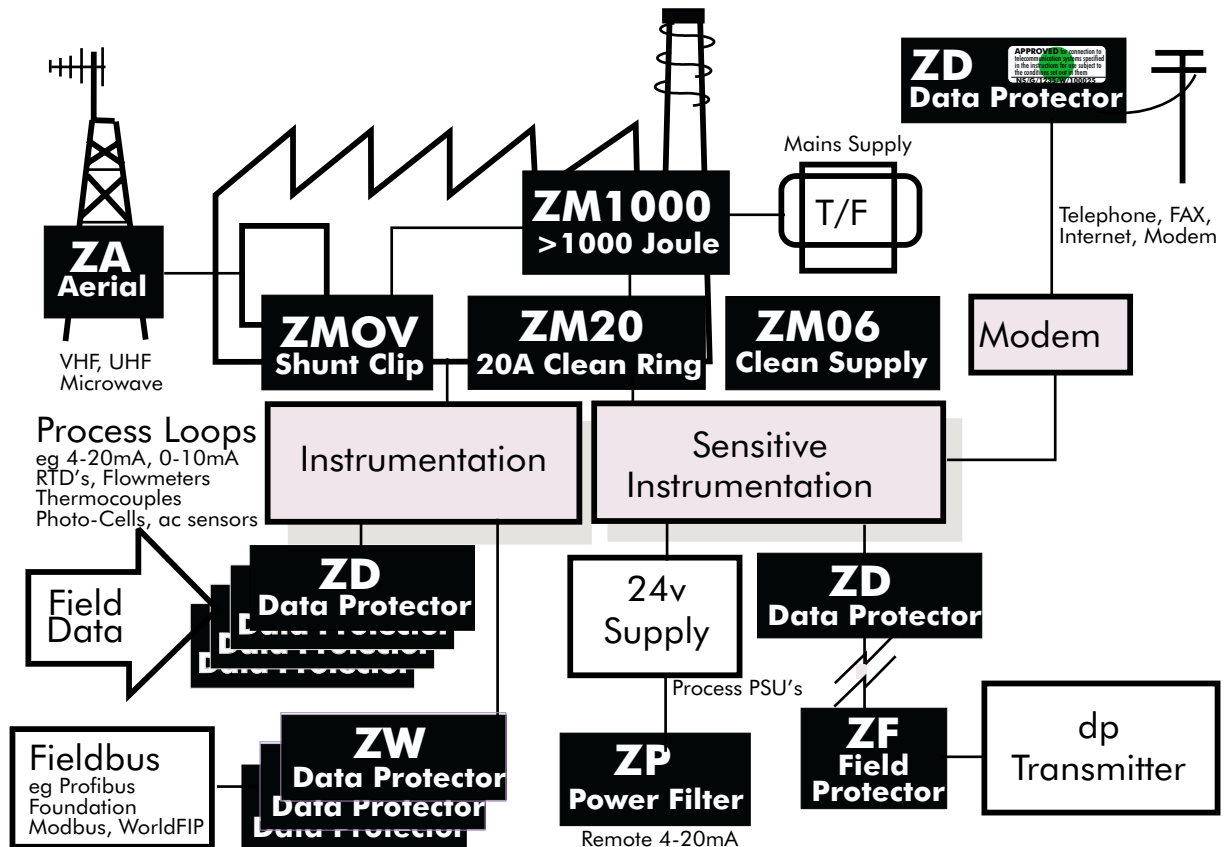
Applications

Domain

	<ul style="list-style-type: none"> Unique Self Test Low Cost DIN rail Mount Small Footprint 	<p>Thermocouples CMOS Volt Free Contacts Logic Inputs Analogue Inputs Current Loops eg 4-20mA RTD's 2 wire and 3 wire</p> <p>PSTN phone and BT Private Wire circuits</p>	<p>ZD Process Signal</p> <p><small>APPROVED for connection to telecommunication systems specified in the instructions for use subject to the conditions set out in them NS/G/12352W/100025</small></p>
	<ul style="list-style-type: none"> Wide Bandwidth Low Loss, Low Resistance Low capacitance 	<p>RS232, RS422, RS485 Fieldbus eg Data Highway Plus, Modbus, Foundation, WorldFIP and also when a Low resistance or low capacitance is required.</p>	<p>ZW Data Hi-Speed</p>
	<ul style="list-style-type: none"> Continually monitors aging (Patented MMOV™) Checks wiring integrity DIN rail Mount Thermally Fused High Specification Can be supplied IP rated 	<p>Mains Filtering Mains Shunt Protection Clean Power Supplies Ring Mains & Spur Wiring Complete BU enclosures fitted with integral Fuse and Isolator - ultra low di/dt overhead! Back of Panel Supplies EMC Filtering CE Compliance Hi-Density Protection where space is at a premium</p>	<p>ZM Mains</p> <p>230v/110v & 3 phase</p>































Zymax Innovation

more on next page...



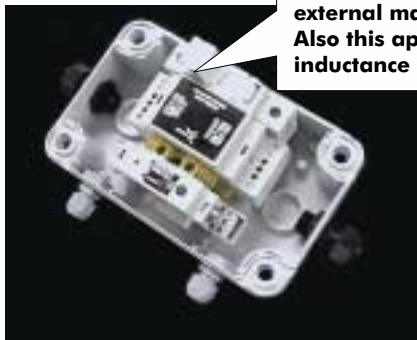
Total Protection - High Energy Low Cost Failsafe Design Any Application!

KEY FEATURES - unique bullet features ...
Applications
Domain

  	<ul style="list-style-type: none">  Failsafe design - thermally fused and self monitoring  Continually checks aging  Very High Energy >1000 Joule  Surge Counter  Remote Annunciation  Low Cost  Single and Three Phase  Plug in Plug Out Replaceable 	<p>Cat C protection (BS6651) Incoming Supply High Energy Shunt Protect Surge Monitoring Lightning Elimination Single Phase Primary Three Phase Entry Office/Factory/Site primary surge protection Can be used in an "integrated" solution. Ideal with a ZM20 for the "ultimate" protection - simply the best.</p>	<p>ZM 1000</p> <p>mains power supplies 230 110 or 415v single and three phase</p>
	<ul style="list-style-type: none">  Thermally Fused  Fail Safe Annunciation  High Spec Filtering 	<p>dc Power Supplies eg 12V, 24v, 48v EMC filtering Network psu Protection Zero Line Loss Circuits Current Loop Power Supply Protection eg 4-20 mA</p>	<p>ZP</p> <p>dc power supplies</p>
	<ul style="list-style-type: none">  Remote non-contacting  Data Reader for ZM's - reads product data including date of manufacture, firmware, Aging and surge count for ZM1000  Breakdown Tester for All SPD's 	<p>Preventative and Pro-Active field maintenance Point and Read Status SPD testing- test the breakdown of all lightning barriers Driver for ZD and ZM barriers that are not in a loop to provide power</p>	<p>ZT</p> <p>Universal Tester</p>
	<ul style="list-style-type: none">  Wide Band Protection  Co-Ax or Aerial  Multi Connector Options 	<p>Aerial Protection NEMP Barrier Co-Axial Data Protection Network Shunt Lightning Shunt Gender Change</p>	<p>ZA</p> <p>Aerial & Co-Ax</p>
	<ul style="list-style-type: none">  Easy to Fit - no polarity  Low Price  Screw Adaptors 	<p>Remote Transmitters Integral Case Mount Shunt Barrier Applications</p>	<p>ZF</p> <p>Field Mounted Transmitters</p>
	<ul style="list-style-type: none">  Ultra High Packing Density  Plug Isolate for test  Metal Case for low cross-mod 	<p>Ultra High Density Applications - less than 2mm of DIN rail used per protected wire! eg 500 line protection takes less than 1 metre of DIN rail</p>	<p>ZX</p> <p>Data-High Density Pack</p>

Mounting Options ...

meet the family!



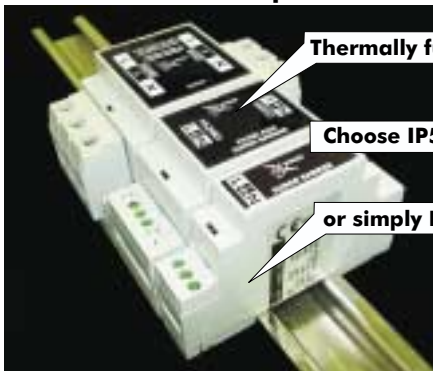
INTEGRAL ISOLATING SWITCH
Saves time and cost in fitting an external mandatory isolating box
Also this approach limits the line inductance - A market first!

ZD and ZM in BU enclosure



Mix Barriers for optimum protection

DIN Rail back of panel



Thermally fused for safety

Choose IP55 or 65 module

or simply DIN rail mount



Mix and Match- now you can have a fully integrated solution. Choose the barrier for the application then choose the mounting options -IP55 or IP65.

Because they have a DIN rail mount, they can be easily mixed to suit any application. We call this the fully "integrated" range.

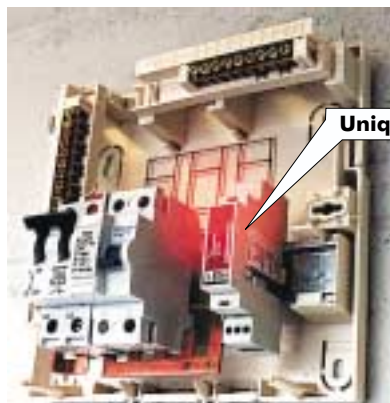
Shown here is a PSTN data barrier for a modem and a high spec mains protector and filter in one box. An isolating fuse and switch is incorporated for safety and together with an integral earth connection.

The enclosures are remarkably low cost and because they have a translucent front, the status of any barrier can be easily read manually or remotely using the unique ZT infra-red Tester

Also the lid is hinged so that the test buttons on the ZD barriers can be readily checked for SPD (barrier) integrity.

All Zymax Barriers can also be DIN rail mounted in other supplier enclosures or simply on back of panel/cubicle systems. Because of their shape they can also be mounted in a consumer unit. It is easy to shunt protect an incoming supply or provide a clean and filtered supply to sensitive equipment.

Shown bottom left is the ZEB bus bar that enables easy earth wiring to multiple barriers. Shown bottom right is the G rail adaptor that converts G to C rail mounting.



Consumer Unit mounting



Complete ZM in Enclosure

Unique self test - even does a wiring check!



ZEB Earth Bus to easily connect multiple barriers



"G" to "C"

Shown right is the new IT12 dual BT and 4 gang mains protector- ideal for the internet!



Protection you can see - for surges you can't

Why not try our risk analysis on your project to BS6651 ?

See www.zymax.com



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