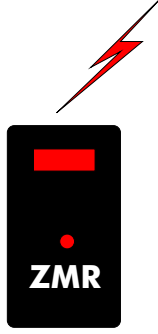


PUNCH

SPD	Self Test	Status Information	ZMR MMOV Reader
DATA ZD06 ZD16 ZD33 ZD51 ZD75 ZD200 ZDxxx/p	yes yes yes yes yes yes yes	<p>Push "Test Button" momentarily and the Green LED will illuminate if:</p> <ul style="list-style-type: none"> ● Green = Working <p>(a) Loop power exists (b) SPD barrier is working OK (c) LED is OK and working</p> <p>Hence this unique test feature on all Zymax Barriers is totally "Fail-Safe". This is a desirable function in the process industries.</p>	<div data-bbox="1429 264 1975 405" style="border: 1px solid blue; padding: 5px;"> <p>IMPORTANT NOTE:- All Zymax barriers have been designed to be failsafe, have a long service life and where appropriate self test</p> </div> <div data-bbox="1464 421 1912 836" style="text-align: center;"> <p>ZM MMOV AC Mains Power SPDs</p>  <p>ZMR</p> </div> <p>The ZMR Reader can be used with all ZM AC mains power products which incorporate the Zymax patented MMOV technology.</p> <p>Simply point the ZMR at the SPD (non contacting) and it will display the following:-</p> <ul style="list-style-type: none"> Product id Device Firmware Version Date of Manufacture Device Protection Status(Ageing of Protectors) - useful for preventative maintenance. <p>The ZM1000 also tells the ZMR how many surges it has taken.</p>
DATA - Wide Band ZWxx/p ZW06 ZW16 ZW33 ZW51 ZW75	yes no no no no no	<p>Note : If insufficient loop power is available then use a PP3 9volt battery for testing in series with a 1k Ohm series current limiting resistor.</p> <p>Self Powered Testing Option :</p> <ul style="list-style-type: none"> ● Choose the /p option and then ALL SPD barriers can self test regardless of whether sufficient loop power exists. If the SPD has a /p suffix then the SPD barrier is self powered by a button cell that is replaceable and has been designed to last more than 3 years- typically 5 years. 	
MAINS AC POWER ZMOV ZM1000 ZM06 ZM20	yes yes yes yes	<ul style="list-style-type: none"> ● Red Led ON = System Working and Protected ● OFF= No Power / Broken LED / Broken SPD ● FLASHING= Primary Protectors beginning to age ● FLASHING + AUDIBLE = SPD aged but working ● LED OFF + Two Tone = Thermal Fuse Blown ● LED OFF + Warble = No Earth/Poor Earth or Live/Neutral reversal 	
DC POWER Supply ZPxx	yes	<ul style="list-style-type: none"> ● Red Led ON = System Working and Protected ● OFF = No protection or No power 	
AERIAL ZAxx	no	<p>The ZA is an extremely rugged device and will either exhibit a simple short or open circuit on failure.</p>	

TITLE

Testing SPD Barriers

ZIP03

ZYMAX INFORMATION PAGE