



# ZTS-MVD

## *Medium Voltage Transfer Switch*

*The Standard of Quality in Design and Manufacturing*



**ZTS-MVD**  
**5 KV and 15 KV Class**



**VANJEN GROUP**

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## COMPONENTS AND FEATURES

**Introduction:** A vacuum circuit breaker is a horizontal draw-out type designed to provide long life, reduced maintenance and ease of handling. The circuit breaker are designed and tested in accordance with all applicable ANSI / IEEE (C37.20.2) standards for use in Metal-Clad Medium



**VACUUM CIRCUIT BREAKER**

- 5 KV class—250 MVA, 1200 Amps, 60KV BIL
- 15 KV class—500 MVA, 1200 Amps, 95 KV BIL
- Total Fault Clearing time—3 Cycles
- Full Fault Interruptions—20 to 100 times
- Total Full Operations—5000 times
- UL Listed, ANSI / IEEE, NEMA and exceeds IEC
- 120 VAC Charge / Close. 120 VAC Capacitor Trip
- Open / Close, Charge and Position indication
- Contact wear gap indication.
- Manual Charge, Close and Open.
- Self Aligned, Trip free mechanism
- Tested to ANSI C37.20.2, 4 6 and 9

**Introduction:** The 350 is a member of the new SR 3 series family of protection and control devices from Multilin. The protection functions of this relay include multiple phase, ground and neutral time and instantaneous overcurrent elements, plus essential feeder breaker control features such as cold load pickup blocking, breaker failure, auto-reclose and multiple settings group. 350 also offers enhanced features such as diagnostics, preventive maintenance, arc-flash mitigation and security.

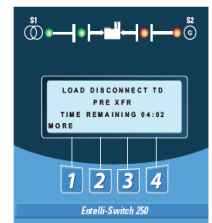


**SR350**

- Phase / Neutral & Ground TOC / IOC
- Negotiating Sequence Over-Current
- ANSI, IAC, IEC and Flex Curves
- Breaker Failure and Cold Load Pickup
- 8—Digital Inputs and 7—Contact Outputs
- Two Settings Groups
- Metering—Current, Voltage, Power and Freq.
- Event Record—256 events
- 4 Line display for viewing of key data
- Communications—Modbus RTU/TCP, DNP 3.0
- IRIG-B Clock Synchronization
- Advanced Diagnostics and Oscillography

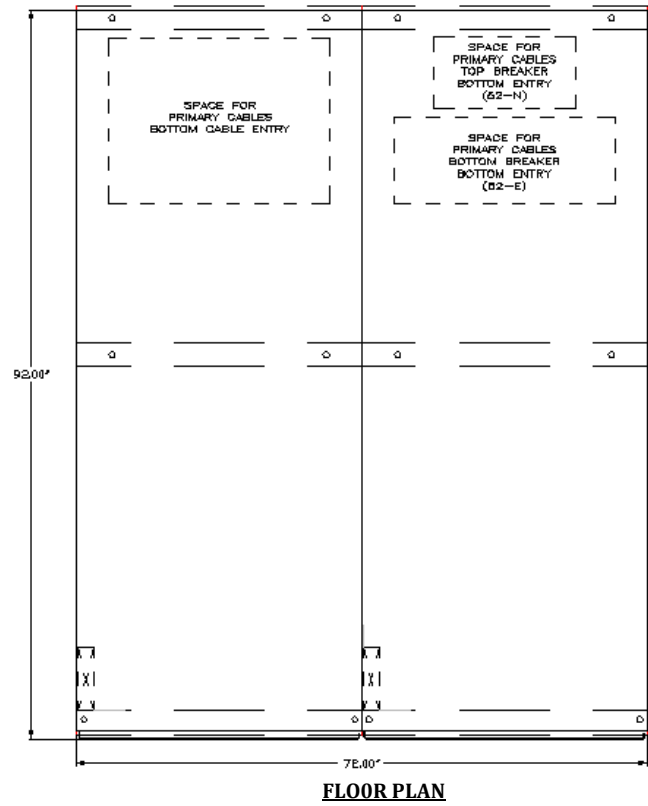
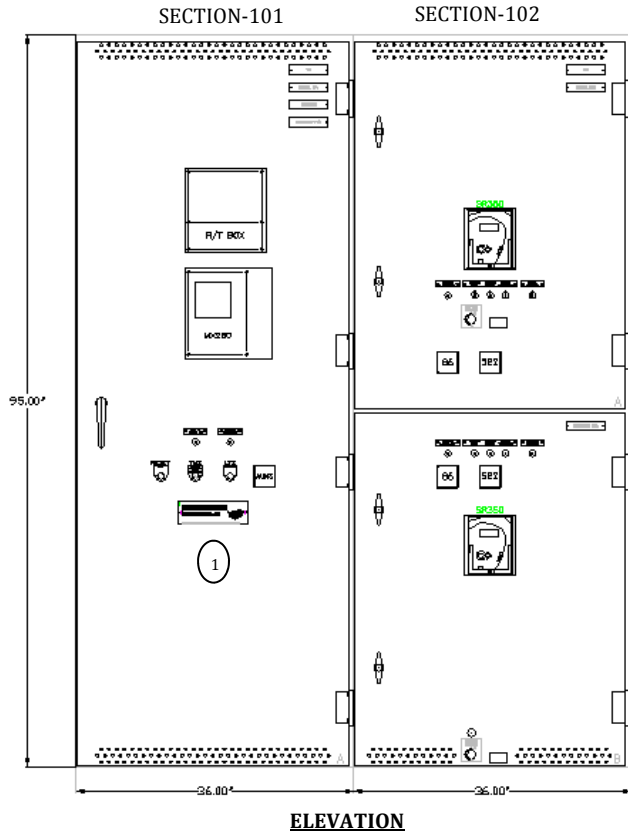
**Introduction:** With more powerful integrated feature, the Entelli-Switch MX250 microprocessor, standard with the entire ZTS product family, offers expanded programmability and field adaptability. This premium controller is designed for use in specification-grade applications. As an embedded digital controller, the Entelli-Switch MX250 offers high reliability and ease of unattended operation across a range of applications. Available in all transfer modes: Open , Closed and Delayed.

- User-friendly programmable engine exerciser
- Real-time display of ATS status, active timers
- Multiple levels of user defined password
- Serial communications—Modbus RTU
- Time tested synchronous transfer
- Voltage unbalance detection standard
- Universal Motor disconnect timer—UMD
- Elevator pre-signal timer—T3/W3 and output
- UL, CSA and IEC Listed
- A 4 X 20 character LCD display
- Source Under Voltage and Frequency detection
- Time delay Source S2—P1 Timer
- Source Stability—T and W Timers
- Transition Delay—DT / WT Timers
- Source 2 Stop Delay—U Timer
- Source Inhibit Inputs—Q3 / Q7
- Peak Shave / Remote load test input—Q2
- No-Load / Load Exercise Clock—C Option



**MX250**

# LAYOUT AND DIMENSION



① Note: Dimensions: NEMA-1: 95”(H)X 72”(W)X 92”(D), NEMA-3R: 109”(H)X 72”(W)X 99.5”(D)

## ORDER MATRIX

BLOCK Z T S M V D - B - C - D - E - F - G - H I

A

ZTSMVD			
BLOCK-A	BLOCK-D	BLOCK-F	BLOCK-G
MODEL DESIGNATION	NEMA RATING	RATED CURRENT	MVA RATING
PRODUCT MODEL: ZTSMVD	C = NEMA-1 S = NEMA-3R	1 = 1200 AMPERE	2 = 250 MVA 5 = 500 MVA
BLOCK-B	BLOCK-E	BLOCK-H	BLOCK-I
VOLTAGE CLASS	SYSTEM VOLTAGE	PR & CT RATIO (U)	PR& CT RATIO (G)
O5 = 5 KV MV CLASS 15 = 15 KV MV CLASS	V2 = 4160 V, 3 PHASE, 3 WIRE W0 = 12,470 V, 3 PHASE, 3 WIRE V8 = 13,800 V, 3 PHASE, 3 WIRE	XX = NONE 11 = SR350, 1200:5	XX=NONE 11 = SR350, 1200:5
BLOCK-C			
NUMBER OF POLES			
3 = THREE PHASE, 3 WIRE			

Note: Above ZTS-MVD product order matrix is for Pre-Configured offering. Other ratings and configurations are also available including By-Pass option. Please contact your local GE Digital Energy sales representative for details and quotation on other available product options.



**GE Zenith Controls**

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