

WORLD PART SUPPLIER CO.

Engineering, Design, Manufacturing, Maintenance, Consulting



Central Processor Memory Unit (CPM)

Part Number: WPS-2004
Old Part Number: Not Applicable
Equal Part Number: (ZTR) 100885

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WPS-CPUZTR-09



Unit Specification:

We call this unit “Central Processor Unit (CPU)”.

In fact this is a central processor unit with memory that can save data on itself.

CPU unit part number WPS-2004 controls the function of whole ZTR microprocessor system of locomotives. This part is an original and genuine part. World Part Supplier acts just as a supplier or provider of this part. We are not the manufacturer of it.

Some railways worldwide use the technologies of ZTR microprocessor system such as NEXSYS, Smart Start and BOA. These technologies need spare parts to stay on service.

World Part Supplier with a considerable experience on ZTR microprocessor system maintenance and providing the spare parts of this system is ready to supply the spare parts to the customers.

CPU unit part number WPS-2004 and/or ZTR part number 100855 acts as data receiver and then analyze the received information and based on the operating system loaded on its memory and signals received from sub-components, sends appropriate command signals to each element.

Input power of ZTR CPU unit is 24VDC.

On the CPU unit part number WPS-2004 we have two Ethernet connections which are signified with “MB1” and “MB2”.

MB1 connection is used for the communication with the other elements of microprocessor system. But MB2 connection is used to communicate with laptop or monitoring devices.

There is a slide switch on CPU unit which is used for unit programming. When the switch is in “OFF” mode, CPU unit will be ready to be programmed and get the operating software loaded on it. Otherwise when the switch is on “ON” mode, the memory of unit is protected.

CPU unit of ZTR technology does not support Zero Power technology. Therefore the necessary power to keep data on system is generated by battery.

If an external power line does not feed CPU unit and user removes the battery, all information on CPU such as Operating Software, Diagnostic Information and so on will be erased.

