

V2.37 (07-2010) [applies to both VR06 & VR18]

1. Compatible with Future Design Controls DAQ software (IO Modules)

V2.36 (04-2009) [applies to both VR06 & VR18]

1. Bug fixed: When type of timer is set to "Daily", sometimes the job executes twice.
2. Bug fixed: Sometimes when the power is turned off and on it will show time conflict message when log speed is set to 120 seconds.
3. New function: Add Czech language

V2.35 (06-18-2008) [applies to both VR06 & VR18]

1. Bug fixed: Some report cannot list on summer time.
2. Bug fixed: Address (RS232) cannot over 127.

V2.34 (01/07/2008) [applies to both VR06 & VR18]

1. Bug fixed: On all digital page, if tag value over setpoint and job select "No Action" then this will show red color (alarm status).
2. Bug fixed (Only for V2.33): If the config file load from CF card and IP or Security is changed, the warning message will appear.
3. New function: Add Portuguese language.
4. Bug fixed: After some math function (HI, LO, POW) cannot add another operation.

V2.33 (11/14/2007) [applies to both VR06 & VR18]

1. Modify function: If config files (load from CF) and IO card setting are not matched, show message
2. Bug fixed: If DO process on and off appeared on same time (less than 1 second) then DO cannot go OFF
3. New Function: Add DO reverse Parameter
4. Bug fixed: AI Description cannot save.

VR Series Firmware v2.33 above is applicable to both the VR06 & VR18.

The VR06 was introduced with firmware v2.32. Previous updates detailed below applied to the VR18 only.

V2.32 (04/18/2007)

1. Bug fixed: Text "VR06" was shown on several screen; corrected to display correct text "VR18".

V2.31 (01/28/2007)

1. Modify function: Modify multiple languages (About FDA).
2. Bug fixed: Tools configuration of stand version has no totalizer function, but if press this button (space) will show totalize configuration screen.
3. New function: Add Thai language

V2.3 (07/04/2006)

1. Bug fixed: Power on and last power off timestamp is same.
2. New function: Add Russian language.
3. New function: Type wrong password and operate wrong security lever function will log to event list. (CFR-21 mode only)
4. New function: If over user security define time, system will ask user change password when user login.
5. Modify function: Change summer time start and end transition hour from 00:00AM to 2:00AM.
6. Modify function: Different event can control same DO process job.
7. Bug fixed: Add AO PV value to modbus input register.
8. Bug fixed: When PC software connect to VR18 over 1~3 hour sometime will lose 10S~20S data.
9. Bug fixed: If data transfer set to remain when Auto-dump sometime will lose some event.

V2.22 (03/05/2006)

1. Bug fixed: When VR18 is auto-dumping if PC software run config import or Real-time View [Observer II] program is connected, VR18 will hang up.
2. Bug fixed: Observer II Real-time View and HistView connect to VR18 and run in the same time (HistView exec auto-import), sometimes VR18 will hang up.
3. Bug fixed: If load config file from CF card and Ethernet parameter has been changed, but this function does not work.
4. Bug fixed: On Tools of configuration setting screen, press last empty key will hang up.
5. Bug fixed: Auto-dumping sometime will lose a block historical data.
6. Bug fixed: If Set clock time is before then now, data and event cannot continue record.

V2.21 (03/01/2006)

1. Bug fixed: VR18 clock from 02/28/2006 change to 03/01/2006 cannot continue work.

V2.20 (02/20/2006)

1. New function: Report mode added "List" function.
2. New function: Job Log Report can select AI & Math Min/Max/Ave
3. Bug fixed: Init message sometime cannot show Chinese.
4. Bug fixed: if dump event to CF and over then 65535 will lose event.
5. Bug fixed: if math expression includes an error AI, The recorder will hang up.
6. Bug fixed: No AI card cannot change configuration files.
7. Bug fixed: change hysteresis of math same as AI.
8. Modify function: non-linear CH can modify range value decimal.

V2.1 (07/25/2005)

- 1.New function: Security level can select normal or CFR-21.
- 2.New function: dump function can select clear or remain data.
- 3.New function: Add Korea language.
- 4.Bug fixed: AI card DIP-switch 8 set error will be detected.
- 5.Bug fixed: Plus version update to standard version math & tolz bar still work.
- 6.Bug fixed: Timer set daily & Hour=0, Min=0, when power on it's job will work.
- 7.Bug fixed: Log method set "Average", the history data will drop at the page start.
- 8.Bug fixed: if CF full and event auto dump to CF will hang up .
- 9.Bug fixed: if dump to CF card data over then 100MB will lose some data.
- 10.New Function: AO function.
- 11.Bug fixed: If VR18 insert CF card and CF card is full the auto-dump data will overwrite newest data of CF card.

V2.05 (07/11/2005)

- 1.Bug fixed: Exchange "Enable" & "Disable" in French.

V2.04 (04/25/2005)

- 1.Bug fixed: Stop-logging job will make history data error.

V2.03 (03/31/2005)

- 1.Bug fixed: when real-time view enter measure data will show one error data.

V2.02 (03/15/2005)

- 1.Bug fixed: V2.0 read wrong Old version (before V1.31) history data.

V2.01 (03/04/2005)

- 1.Bug fixed: V2.0 Log speed set large then 1s history file will lose some data.

V2.0 (02/03/2005)

- 1.New function: Multiple Languages.
- 2.New function: Large Digital CH 4~1
- 3.New function: All digital Page
- 4.New function: Math can Use Math & Counter
- 5.Modify function: Node address up to 247
- 6.New function: No AI card, use DI & DO
- 7.New function: New job Start logging & stop logging.
- 8.Modify function: Instrument name can use 8 char.
- 9.Modify function: Totalizer can use 18 channels.
- 10.New function: AI setpoint add Hysteresis parameter.
- 11.Bug fixed: VR18 Load config file from CF card, but PC software read config file still old parameter.

V1.31 (12/08/2004)

- 1.Bug fixed: TCP/MODBUS
- 1.Bug fixed: PC software cannot change week parameter of timer.

V1.3 (07/22/2004)

- 1.Modify function: Set demo <-> default change instrument page parameter will not be modified.
- 2.Modify function: AI Value out of range can be work.
- 3.Modify function: NO any AI channel, DI 18 channel. DO 18 channel can work.
- 4.New function: DO Process.
- 5.New function: sensor offset gain
- 6.Modify function: Totalizer source include math.
- 7.modify function: Ethernet add Default Gateway parameter.
- 8.Bug fixed: Timer 1 Sec Does not work
- 9.New function: Daylight saving time (Summer time).
- 10.Modify function: linear AI can modify range.
- 11.Modify function: Page config have no any channel active, This page must be disable.
- 12.Bug fixed: PC trans command to disable working page will be white screen.
- 13.Modify error message: modify channel scale high and low input value out of rang message.
- 14.Bug fixed: The decimal of AI or Math scale changed, history data will save wrong data.
- 15.New function: Add New AI card range:-60~60mA, -2~2V,-20~20V, -20~20mA

V1.21 (07/13/2004)

- 1.Bug fixed: Set clock and after about 10 minutes the system will hang up.
- 2.Bug fixed: RAM does not work over 50oC.
- 3.Modify Function: Change keypad driver scan method form interrupt to polling.
- 4.Bug fixed: If recorder have message box and PC trans command to recorder, Recorder keypad will not work.
- 5.Bug fixed: PC set DI event Hi or Low to recorder, this event does not work.

V1.2 (05/28/2004)

- 1.Bug fixed: Update image file cannot large then 3735552 Bytes.
- 2.Bug fixed: Set Event DO on or off cannot save.

V1.1 (05/13/2004)

- 1.modify keypad driver for new circuit.
- 2.modify cover sensor driver for new circuit.
- 3.modify LCD driver for new circuit.
- 4.new function: boot-ROM can add vendor logo.
- 5.Bug fixed: Set Event DO On and Remove DO card reboot enter config CH will hang up.

V1.03 (05/10/2004)

1. Bug fixed: Dump to CF or Ethernet dump sometime will hang up.
2. Dump function auto save config to CF card.
3. Bug fixed: AI card lose data
4. Bug fixed: Auto clear or auto dump sometime will hang up.

V1.01 (03/07/2004)

1. RS232/RS422/RS485 operations all OK
2. Bug fixed: power on can not load image finish
3. Bug fixed: Insert new AI card restart VR18 will show "DOBar" (No DO card inserted)

V1.00 (01/10/2004)

1. New function: down load image file to CF card, VR18 can update new ver system program.
2. System Message show at background like IP conflict.

V0.99 (12/15/2003)

1. Modify Function: All CH auto dump at same time.
2. Modify Function: Default Protocol is set to Ethernet.
3. Alarm/Event active and clear time all number use 2 digital and remove year

V0.98

1. Bug fixed: auto dump loose some block of memory
2. Bug fixed: dump large file to CF Card will sometime hang up

V0.97 (10/11/2003)

V0.95 (08/25/2003)

1. Storage Media: Remove Ethernet
2. Bug fixed: memory very low - Modify BootLoad & config.bib to Move 2M Byte RAM to VR18 program
3. Bug fixed: History in week start time error
4. Bug fixed: Page 6 & Page 1 both disable page 1 – it had shown white screen.

V0.94 (07/01/2003)

1. New function: Tolz Count DI DO Bar
2. New function: Report
3. Job add new item: Log report
4. Time add new type: Countdown, Countdown Report; Daily, Weekly, Monthly