Industrial communication solutions for Windows

XCVMITF Driver Manual

Circutor CVM-ITF/CVM-R8C Controllers Protocol Driver

Contents

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XCVMITF technical specifications

General information

XCVMITF driver allows you to connect with CIRCUTOR CVM-ITF/BD Series Supply Network Analyzer and CIRCUTOR CVM-R8C/R8D Programable Peripherals. This driver complies with Instruction Manual M981 171/96-001 (2/2) from Circutor S.A.

Command list

Read Voltages Phase-Phase INST (V)

Description of this command:
Reads Voltages Phase-Phase INST in Volts.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-4
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
0
Values that are returned:
Value in PointValue (0) = Voltage Phase-Phase L12
Value in PointValue (1) = Voltage Phase-Phase L23
Value in PointValue (2) = Voltage Phase-Phase L31
Value in PointValue (3) = Voltage Phase-Phase Av

Read Voltages Phase-Phase MAX (V)

Description of this command:
Reads Voltages Phase-Phase MAX in Volts.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-3
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
1
Values that are returned:
Value in PointValue (0) = Voltage Phase-Phase L12 Max.
Value in PointValue (1) = Voltage Phase-Phase L23 Max.
Value in PointValue (2) = Voltage Phase-Phase L31 Max.

Read Voltages Phase-Phase MIN (V)

Description of this command:
Reads Voltages Phase-Phase MIN in Volts.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-3
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
2

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Values that are returned:
Value in PointValue (0) = Voltage Phase-Phase L12 Min.
Value in PointValue (1) = Voltage Phase-Phase L23 Min.
Value in PointValue (2) = Voltage Phase-Phase L31 Min.

Read Voltages Phase-Neutral INST (V)

Description of this command:
Reads Voltages Phase-Neutral INST in Volts.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-4
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
3
Values that are returned:
Value in PointValue (0) = Voltage L1
Value in PointValue (1) = Voltage L2
Value in PointValue (2) = Voltage L3
Value in PointValue (3) = Voltage Av

Read Voltages Phase-Neutral MAX (V)

Description of this command:
Reads Voltages Phase-Neutral MAX in Volts.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-3
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
4
Values that are returned:
Value in PointValue (0) = Voltage L1 Max.
Value in PointValue (1) = Voltage L2 Max.
Value in PointValue (2) = Voltage L3 Max.

Read Voltages Phase-Neutral MIN (V)

Description of this command:
Reads Voltages Phase-Neutral MIN in Volts.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-3
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
5
Values that are returned:
Value in PointValue (0) = Voltage L1 Min.
Value in PointValue (1) = Voltage L2 Min.
Value in PointValue (2) = Voltage L3 Min.

Read Currents INST (mA)

Description of this command:
Reads Currents INST in mA.
Methods used to run this command:
Analog Input

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Number of points accepted by this command:
1-4
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
6
Values that are returned:
Value in PointValue (0) = Current L1
Value in PointValue (1) = Current L2
Value in PointValue (2) = Current L3
Value in PointValue (3) = Current Av

Read Currents MAX (mA)

Description of this command:
Reads Currents MAX in mA.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-3
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
7
Values that are returned:
Value in PointValue (0) = Current L1 Max.
Value in PointValue (1) = Current L2 Max.
Value in PointValue (2) = Current L3 Max.

Read Currents MIN (mA)

Description of this command:
Reads Currents MIN in mA.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-3
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
8
Values that are returned:
Value in PointValue (0) = Current L1 Min.
Value in PointValue (1) = Current L2 Min.
Value in PointValue (2) = Current L3 Min.

Read Active Powers INST (W)

Description of this command:
Reads Active Powers INST in Watts.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-4
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
9
Values that are returned:
Value in PointValue (0) = Power L1
Value in PointValue (1) = Power L2
Value in PointValue (2) = Power L3
Value in PointValue (3) = Power III

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Read Active Powers MAX (W)

Description of this command:
Reads Active Powers MAX in Watts.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-4
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
10
Values that are returned:
Value in PointValue (0) = Power L1 Max.
Value in PointValue (1) = Power L2 Max.
Value in PointValue (2) = Power L3 Max.
Value in PointValue (3) = Power III Max.

Read Active Powers MIN (W)

Description of this command:
Reads Active Powers MIN in Watts.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-4
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
11
Values that are returned:
Value in PointValue (0) = Power L1 Min.
Value in PointValue (1) = Power L2 Min.
Value in PointValue (2) = Power L3 Min.
Value in PointValue (3) = Power III Min.

Read Inductive Powers INST (var.L)

Description of this command:
Reads Inductive Powers INST in var.L.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-4
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
12
Values that are returned:
Value in PointValue (0) = Inductive Power L1
Value in PointValue (1) = Inductive Power L2
Value in PointValue (2) = Inductive Power L3
Value in PointValue (3) = Inductive Power III

Read Inductive Powers MAX (var.L)

Description of this command:
Reads Inductive Powers MAX in var.L.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-4
Meaning of the DriverP0 parameter:
Unit Address (0-99).

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Meaning of the DriverP1 parameter:
13
Values that are returned:
Value in PointValue (0) = Inductive Power L1 Max.
Value in PointValue (1) = Inductive Power L2 Max.
Value in PointValue (2) = Inductive Power L3 Max.
Value in PointValue (3) = Inductive Power III Max.

Read Inductive Powers MIN (var.L)

Description of this command:
Reads Inductive Powers MIN in var.L.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-4
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
14
Values that are returned:
Value in PointValue (0) = Inductive Power L1 Min.
Value in PointValue (1) = Inductive Power L2 Min.
Value in PointValue (2) = Inductive Power L3 Min.
Value in PointValue (3) = Inductive Power III Min.

Read Capacitive Powers INST (var.C)

Description of this command:
Reads Capacitive Powers INST in var.C.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-4
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
15
Values that are returned:
Value in PointValue (0) = Capacitive Power L1
Value in PointValue (1) = Capacitive Power L2
Value in PointValue (2) = Capacitive Power L3
Value in PointValue (3) = Capacitive Power III

Read Capacitive Powers MAX (var.C)

Description of this command:
Reads Capacitive Powers MAX in var.C.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-4
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
16
Values that are returned:
Value in PointValue (0) = Capacitive Power L1 Max.
Value in PointValue (1) = Capacitive Power L2 Max.
Value in PointValue (2) = Capacitive Power L3 Max.
Value in PointValue (3) = Capacitive Power III Max.

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Read Capacitive Powers MIN (var.C)

Description of this command:
Reads Capacitive Powers MIN in var.C.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-3
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
17
Values that are returned:
Value in PointValue (0) = Capacitive Power L1 Min.
Value in PointValue (1) = Capacitive Power L2 Min.
Value in PointValue (2) = Capacitive Power L3 Min.

Read Power Factors INST

Description of this command:
Reads Power Factors INST.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-4
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
18
Values that are returned:
Value in PointValue (0) = Power Factor L1
Value in PointValue (1) = Power Factor L2
Value in PointValue (2) = Power Factor L3
Value in PointValue (3) = Power Factor Av

Read Power Factors MAX

Description of this command:
Reads Power Factors MAX.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-3
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
19
Values that are returned:
Value in PointValue (0) = Power Factor L1 Max.
Value in PointValue (1) = Power Factor L2 Max.
Value in PointValue (2) = Power Factor L3 Max.

Read Power Factors MIN

Description of this command:
Reads Power Factors MIN.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-3
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
20

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Values that are returned:
Value in PointValue (0) = Power Factor L1 Min.
Value in PointValue (1) = Power Factor L2 Min.
Value in PointValue (2) = Power Factor L3 Min.

Read Frequency INST (Hz)

Description of this command:
Reads Frequency INST in Hz.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
21
Values that are returned:
Value in PointValue (0) = Frequency

Read Frequency MAX (Hz)

Description of this command:
Reads Frequency MAX in Hz.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
22
Values that are returned:
Value in PointValue (0) = Frequency Max.

Read Frequency MIN (Hz)

Description of this command:
Reads Frequency MIN in Hz.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
23
Values that are returned:
Value in PointValue (0) = Frequency Min.

Read Apparent Power INST (VA)

Description of this command:
Reads Apparent Power INST in VA.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
24
Values that are returned:
Value in PointValue (0) = Apparent Power.

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Read Apparent Power MAX (VA)

Description of this command:
Reads Apparent Power MAX in VA.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
25
Values that are returned:
Value in PointValue (0) = Apparent Power Max.

Read Apparent Power MIN (VA)

Description of this command:
Reads Apparent Power MIN in VA.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
26
Values that are returned:
Value in PointValue (0) = Apparent Power Min.

Read Transforming Ratios

Description of this command:
Reads Transforming Ratios.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-3
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
27
Values that are returned:
Value in PointValue (0) = Prim V
Value in PointValue (1) = Sec V
Value in PointValue (2) = Prim A

Write Transforming Ratios

Description of this command:
Writes Transforming Ratios.
Methods used to run this command:
Analog Output
Number of points accepted by this command:
3
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
34
Values that are sent:
Value in PointValue (0) = Prim V
Value in PointValue (1) = Sec V
Value in PointValue (2) = Prim A

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Read Type of Set Voltage

Description of this command:
Reads Type of Set Voltage.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
28
Values that are returned:
Value in PointValue (0) = Type of Set Voltage
Values that are sent:
- 0 = Phase - Phase (Compound)
- 1 = Phase - Neutral (Single)

Write Measuring Mode (Type of Set Voltage)

Description of this command:
Writes Measuring Mode (Type of Set Voltage).
Methods used to run this command:
Analog Output
Number of points accepted by this command:
1
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
35
Values that are sent:
Value in PointValue (0) = New Measuring Mode
- 0 = Phase - Phase (Compound)
- 1 = Phase - Neutral (Single)

Read Total Information

Description of this command:
Reads Total Information.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-30
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
29
Values that are returned:
Value in PointValue (0) = Voltage Phase-Phase L12 (V).
Value in PointValue (1) = Voltage Phase-Phase L23 (V).
Value in PointValue (2) = Voltage Phase-Phase L31 (V).
Value in PointValue (3) = Voltage Phase-Phase Av (V).
Value in PointValue (4) = Voltage Phase-Neutral L1 (V).
Value in PointValue (5) = Voltage Phase-Neutral L2 (V).
Value in PointValue (6) = Voltage Phase-Neutral L3 (V).
Value in PointValue (7) = Voltage Phase-Neutral Av.
Value in PointValue (8) = Current L1 (mA).
Value in PointValue (9) = Current L2 (mA).
Value in PointValue (10) = Current L3 (mA).
Value in PointValue (11) = Current Av (mA).
Value in PointValue (12) = Active Power L1 (W).
Value in PointValue (13) = Active Power L2 (W).
Value in PointValue (14) = Active Power L3 (W).

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Value in PointValue (15) = Active Power III (W).
Value in PointValue (16) = Inductive Power L1 (var.L).
Value in PointValue (17) = Inductive Power L2 (var.L).
Value in PointValue (18) = Inductive Power L3 (var.L).
Value in PointValue (19) = Inductive Power III (var.L).
Value in PointValue (20) = Capacitive Power L1 (var.C).
Value in PointValue (21) = Capacitive Power L2 (var.C).
Value in PointValue (22) = Capacitive Power L3 (var.C).
Value in PointValue (23) = Capacitive Power III (var.C).
Value in PointValue (24) = Power Factor L1.
Value in PointValue (25) = Power Factor L2.
Value in PointValue (26) = Power Factor L3.
Value in PointValue (27) = Power Factor Av.
Value in PointValue (28) = Frequency.
Value in PointValue (29) = Apparent Power (VA).

Read Active Energy (W.h)

Description of this command:
Reads Active Energy in W.h.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
30
Values that are returned:
Value in PointValue (0) = Active Energy

Read Inductive Energy (varh.L)

Description of this command:
Reads Inductive Energy in varh.L.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
31
Values that are returned:
Value in PointValue (0) = Inductive Energy

Read Capacitive Energy (varh.C)

Description of this command:
Reads Capacitive Energy in varh.C.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
32
Values that are returned:
Value in PointValue (0) = Capacitive Energy

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Read Initial Value of Positive Energies (W.h)

Description of this command:
Reads Initial Value of the Positive Energies.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-3
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
33
Values that are returned:
Value in PointValue (0) = Active Energy
Value in PointValue (1) = Inductive Energy
Value in PointValue (2) = Capacitive Energy

Write Initial Positive Energies

Description of this command:
Writes Initial value of the positive Energies.
Methods used to run this command:
Analog Output
Number of points accepted by this command:
3
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
36
Values that are sent:
Value in PointValue (0) = Active Energy
Value in PointValue (1) = Inductive Energy
Value in PointValue (2) = Capacitive Energy

Read Initial Value of Negative Energies (W.h)

Description of this command:
Reads Initial Value of the Negative Energies.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-3
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
45
Values that are returned:
Value in PointValue (0) = Active Energy
Value in PointValue (1) = Inductive Energy
Value in PointValue (2) = Capacitive Energy

Write Initial Negative Energies

Description of this command:
Writes Initial absolute value of the negative Energies.
Methods used to run this command:
Analog Output
Number of points accepted by this command:
3
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
46

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Values that are sent:
Value in PointValue (0) = Active Energy (absolute value)
Value in PointValue (1) = Inductive Energy (absolute value)
Value in PointValue (2) = Capacitive Energy (absolute value)

Read Date and Time

Description of this command:
Reads Date and Time.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-6
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
47
Values that are returned:
Value in PointValue (0) = Day (1-31)
Value in PointValue (1) = Month (1-12)
Value in PointValue (2) = Year (1990-2089)
Value in PointValue (3) = Hour (0-23)
Value in PointValue (4) = Minutes (0-59)
Value in PointValue (5) = Seconds (0-59)

Write Date and Time

Description of this command:
Writes Date and Time.
Methods used to run this command:
Analog Output
Number of points accepted by this command:
6
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
48
Values that are sent:
Value in PointValue (0) = Day (1-31)
Value in PointValue (1) = Month (1-12)
Value in PointValue (2) = Year (1990-2089)
Value in PointValue (3) = Hour (0-23)
Value in PointValue (4) = Minutes (0-59)
Value in PointValue (5) = Seconds (0-59)

Read Power Demand Period

Description of this command:
Reads Power Demand Period + Parameter.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-2
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
49
Values that are returned:
Value in PointValue (0) = Power Demand Period
Value in PointValue (1) = Parameter
- 21 = kW
- 26 = KVA
- 20 = AIII

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Write Power Demand Period

Description of this command:
Writes Power Demand Period + Parameter.
Methods used to run this command:
Analog Output
Number of points accepted by this command:
2
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
50
Values that are sent:
Value in PointValue (0) = Power Demand Period
Value in PointValue (1) = Parameter
- 21 = kW
- 26 = KVA
- 20 = AIII

Read Maximum Demand Value

Description of this command:
Reads Maximum Demand Value.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-8
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
51
Values that are returned:
Value in PointValue (0) = Day (1-31)
Value in PointValue (1) = Month (1-12)
Value in PointValue (2) = Year (1990-2089)
Value in PointValue (3) = Hour (0-23)
Value in PointValue (4) = Minutes (0-59)
Value in PointValue (5) = Seconds (0-59)
Value in PointValue (6) = Maximum from the last reset
Value in PointValue (7) = Last Period maximum

Delete Maximum Demand Value

Description of this command:
Deletes Maximum Demand Value (max pd = 0).
Methods used to run this command:
Analog Output
Number of points accepted by this command:
1
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
52
Values that are sent:
Value in PointValue (0) = Not relevant.

Read Input and Relay Status in CVM-R8C

Description of this command:
Reads Input and Relay Status in CVM-R8C.
Methods used to run this command:
Digital Input
Number of points accepted by this command:
1-99

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Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
37
Meaning of the DriverP2 parameter:
Defines the first register to be read.
- 1 .. 18 = Inputs
- 100 .. 117 = External Relays

Write Input and Relay Status in CVM-R8C

Description of this command:
Writes Input and Relay Status in CVM-R8C.
Methods used to run this command:
Digital Output
Number of points accepted by this command:
1
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
38
Meaning of the DriverP2 parameter:
Defines the register to be written (0-9999).

Read A/D Channels in CVM-R8C

Description of this command:
Reads A/D Channels in CVM-R8C.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-2
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
39
Values that are sent:
Value in PointValue (0) = DC1 Channel.
Value in PointValue (1) = DC2 Channel.

Read Scale Factors of A/D Converter in CVM-R8C

Description of this command:
Reads Scale Factors of A/D Converter in CVM-R8C.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-2
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
40
Values that are sent:
Value in PointValue (0) = Channel Factor 1.
Value in PointValue (1) = Channel Factor 2.

Write Scale Factors of A/D Converter in CVM-R8C

Description of this command:
Writes Scale Factors of A/D Converter in CVM-R8C.
Methods used to run this command:
Analog Output
Number of points accepted by this command:
2

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Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
41
Values that are sent:
Value in PointValue (0) = Channel Factor 1.
Value in PointValue (1) = Channel Factor 2.

Write Leds Activation in CVM-R8C

Description of this command:
Writes Leds Activation in CVM-R8C.
Methods used to run this command:
Digital Output
Number of points accepted by this command:
3
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
42
Values that are sent:
Value in PointValue (0) = Test (0 = Desactivate / 1 = Activate).
Value in PointValue (1) = Led 1 (Comm).
Value in PointValue (2) = Led 2 (CPU).

Read Integer Type Registers in CVM-R8C

Description of this command:
Reads Integer Type Registers in CVM-R8C.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-99
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
43
Meaning of the DriverP2 parameter:
First register to be read (0-499).

Write Integer Type Registers in CVM-R8C

Description of this command:
Writes Integer Type Registers in CVM-R8C.
Methods used to run this command:
Analog Output
Number of points accepted by this command:
1
Meaning of the DriverP0 parameter:
Unit Address (0-99).
Meaning of the DriverP1 parameter:
44
Meaning of the DriverP2 parameter:
First register to be written (0-499).

Error messages

The following list shows the possible error messages that can be returned by the driver during a failed communication in the 'Status' property.

[1005] DRIVER (Internal): Invalid driver stage
[1300] PROTOCOL (Timeout): No answer
[1433] PROTOCOL (Format): Validation error in device response

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[2117] CONFIG (NumValues): Invalid number of values (must be 2)
[2122] CONFIG (NumValues): Invalid number of values (must be 3)
[2129] CONFIG (NumValues): Invalid number of values (must be 6)
[2147] CONFIG (NumValues): Only one value can be read or written
[2193] CONFIG (NumValues): Too many values (max=19)
[2194] CONFIG (NumValues): Too many values (max=2)
[2206] CONFIG (NumValues): Too many values (max=3)
[2207] CONFIG (NumValues): Too many values (max=30)
[2216] CONFIG (NumValues): Too many values (max=4)
[2226] CONFIG (NumValues): Too many values (max=6)
[2235] CONFIG (NumValues): Too many values (max=8)
[2243] CONFIG (NumValues): Too many values (max=99)
[3018] CONFIG (P0): Invalid device address (0-99)
[3508] CONFIG (P1): Invalid command
[4063] CONFIG (P2): Invalid first register (0-499)
[4064] CONFIG (P2): Invalid first register (0-999)
[4065] CONFIG (P2): Invalid first register (0-9999)
[8130] CONFIG (Remote): Error Response
[9500] CONFIG (Value): Invalid day in Value[0] (1-31)
[9501] CONFIG (Value): Invalid hour in Value[3] (0-23)
[9502] CONFIG (Value): Invalid minutes in Value[4] (0-59)
[9503] CONFIG (Value): Invalid month in Value[1] (1-12)
[9504] CONFIG (Value): Invalid parameter in Value[1] (20/21/26 only)
[9505] CONFIG (Value): Invalid seconds in Value[5] (0-59)
[9506] CONFIG (Value): Invalid year in Value[2] (1990-2089)

Supported devices

This driver can communicate with these devices, but is not necessarily limited to this list:

CIRCUTOR CVM-ITF Energy Network Analyzer
CIRCUTOR CVM-R8C Programmable Peripheral
CIRCUTOR CVM-R8D Programmable Peripheral
CIRCUTOR CVM-BD Series Supply Network Analyzer

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