Power

Cordex™ CXC
System Controller

CXCR Rack
Mount Controller

> **Control and monitor via Internet Explorer browser**

> **Internet Ready, Integrated SNMP**

> **User definable alarms and data logging**

> **Flexible battery management features**

> **Integrated Option On 2RU Cordex Rectifiers**

> **Upgradeable I/O via CXC Smart peripherals**

Cordex CXC controllers bring advanced monitoring technology to the Cordex series of rectifiers. The compact CXCI system controller is an integrated option for 2RU Cordex rectifier shelves and includes the standard complete range of Cordex software features.

The integrated CXCI controller includes a web server, providing easy set up via local or remote IP access using a standard Windows Internet Explorer browser. The CXCI also includes LED indicators and an LCD screen for voltage and current display.

The integrated logging feature, typically only available with an advanced standalone data logging system, allows the capture of data from multiple inputs for AC/DC voltages, load / battery current, and cell voltage/temperature. Common applications of the CXCI logging include power system details, thermal performance of outdoor enclosures, battery cell specifics, or mains variations captured by an AC voltage watchdog.

The CXCI I/O feature set can be easily expanded with the addition of CXC Smart Peripherals such as battery cell monitoring, shunt multiplexing, and alarm relay expansion.

Cordex CXC system controllers ensure effortless operation of the Cordex rectifier family. Time consuming, complicated set up and monitoring of DC power systems are now a thing of the past.

Argus Technologies member of The Group™

ARGUS®

Cordex CXC System Controller
Part Number: 018-557-20

Features

User Interface:

GUI: ....LCD touch screen display for local access
Embedded Web based GUI accessed via
Ethernet or Modem using internet browser
(IE6 and above)

Display: ....Full graphic LCD, 160x160 pixels, with backlight
and contrast adjustment

Audio: ....Built in speaker for audible alarm

LED indicators: ....System OK – Green
Minor Alarm: Yellow
Major Alarm: Red

Rectifier Features:

Single Point Adjustment
Auto Load Share
Power Save
Power on Delay Start

Battery Features:

Temperature Compensation
Manual, Auto & Periodic Equalize
Battery Current Terminate Equalize
Battery Over Temp Equalize Shutoff
Dynamic Charge Current Control
Battery Runtime & Capacity Indication
Battery Low Capacity Warning
Auto or Manual Battery Test Mode

System Features:

CAN Bus interface to Cordex rectifiers and Smart Peripheral modules
Password Protection
Virtual Rectifier, Battery & Shunt Addition Current
User Configurable Alarms
User Configurable Signals
Languages for English, Chinese & 3rd Language option
Downloadable Software & Firmware Upgrades

Communications:

Alarm Relays: ....Potential free Form C Contacts

SNMP: ....SNMP v2.5 via Ethernet.
Requires SNMP management software
(e.g., HP Openview, SNMPc)

Email: ....SMTP via Ethernet or Modem

Communication Ports:

CAN: ....Interface to Cordex series rectifiers and optional
smart peripheral modules

RS-485: ....For optional Pathfinder rectifier control

Ethernet: ....10/100 Base T with half/full duplex

Modem: ....Internal option via List Option
External option via rear RS-232 port

Serial: ....RS-232 (Front)

System I/O:

Alarm Relays: 8
Voltage Inputs: 2
Temp Inputs: 2
Current Inputs: ....1 For CXCM
4 For CXCP/CXCR
BiV Inputs: ....1 For CXCM
2 For CXCP/CXCR
Digital Inputs: ....3 For CXCM
8 For CXCP/CXCR

Features continued

Log Files:

Daily Statistics: ....Min., max. and average on analogue input
channels with date and time stamp
Battery current, rectifier current and AC mains
voltage for last 90 days

Event Log: ....All events such as alarms, power on, change of
state on digital inputs or other events

Battery Log: ....Battery health history on last 20 discharges with
time of discharge and battery capacity.

Data Logging: ....Up to 16 user configurable logs of all system
signals including Smart Peripherals

Electrical

Input Voltage: .... 17 to 65VDC
Current: ....<100mA @ 48VDC
<200mA @ 24VDC

Mechanical

Dimensions:
CXCR/CXCP (Excluding Brackets)
mm: ....131H x 425W x 100D
in: ....5.1H x 16.7W x 3.9D
CXCM
mm: ....177H x 74W x 255D
in: ....6.9H x 2.9W x 10D

Mounting: ....CXCR: 19" or 23" Rack Mount
CXCP: Panel Mount
CXCM: Plug-In on 1kW series shelves

Weight: ....CXCR/P: 6.2kg (3.9lb)
CXCM: 1.8kg (3.9lb)

Environmental

Temperature: ....-40 to 65oC
Humidity: ....0 to 95% RH non-condensing

Related Components

List 101: ....Internal Modem

Standards

Safety: ....UL/CSA C22.2 No 60950-1
IEC/EN 60950-1
CE marked
EMC: ....ETSI 300 386
Emissions: ....CFR47 (FCC) Part 15 Class B
ICES-03 Class B
EN55022 (CISPR 22) Class B
C-tick (Australia)
Immunity: ....EN 61000-4-2,-3,-4,-5,-6

Argus Technologies

For more information visit **www.argusdcpower.com**