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Micus Alarm and Control System (MACS) GI Digital Encoders Monitoring

Micus Alarm And Control System Revision 2.0

File Monitor Equipment Locking Pager Event Log View Archive Configuration Help

01/28/2002 20:03:38 **LOGGER** LOGIN Michael FROM icius
01/28/2002 20:03:51 **GI Encoder** UNIT Vancouver RAW INPUT FILE OPEN
01/28/2002 20:03:57 **GI Encoder** MacsGiEncoder Rev. 1.9.0 SERVER GI Encoder
01/28/2002 20:04:10 **Vancouver CH 0 DSE 1 ALARM DETECTED**
01/28/2002 20:04:10 **Vancouver** FAULT: 14-Jan-2000 17:08:53.29 (Greenwich Mean Time) Chassis 0, Slot 1, DSE board. Task name: Aux Data Message #776: HDLC message too large.
01/28/2002 20:06:12 **Vancouver COMMUNICATION WITH Vancouver LOST**
01/28/2002 20:07:32 **Vancouver** SESSION WITH Michael FROM icius OPEN
01/28/2002 20:07:32 **Vancouver CH 0 DSE 1 ALARM ACKNOWLEDGED**
01/28/2002 20:07:32 **Vancouver** SESSION WITH Michael FROM icius CLOSED
01/28/2002 20:07:45 **Vancouver** SESSION WITH Michael FROM icius OPEN
01/28/2002 20:07:45 **Vancouver CH 0 DSE 1 ALARM CLEARED**
01/28/2002 20:07:45 **Vancouver** SESSION WITH Michael FROM icius CLOSED

2000_06_17 - WordPad

File Edit View Insert Format Help

WARNING: 14-Jan-2000 17:09:39.03 (Greenwich Mean Time) Chassis 0, Slot 1, DSE board. Task name: Aux Data Message #911: HDLC CRC error
FATAL: 14-Jan-2000 17:08:47.09 (Greenwich Mean Time) Chassis 1, Slot 18, DSE board. Task name: Aux Data Message #910: Aborted HDLC frame
FAULT: 14-Jan-2000 17:08:53.29 (Greenwich Mean Time) Chassis 0, Slot 1, DSE board. Task name: Aux Data Message #776: HDLC message too large.
FATAL: 14-Jan-2000 17:09:10.08 (Greenwich Mean Time) Chassis 1, Slot 1, DSE board. Task name: Aux Data Message #910: Aborted HDLC frame
FAULT: 14-Jan-2000 17:09:15.05 (Greenwich Mean Time) Chassis 1, Slot 0, DSE board. Task name: Aux Data Message #776: HDLC message too large.
WARNING: 14-Jan-2000 17:09:39.03 (Greenwich Mean Time) Chassis 0, Slot 1, DSE board. Task name: Aux Data Message #911: HDLC CRC error
WARNING: 14-Jan-2000 17:09:43.28 (Greenwich Mean Time) Chassis 0, Slot 1, DSE board. Task name: Aux Data Message #910: Aborted HDLC frame
FATAL: 14-Jan-2000 17:08:47.09 (Greenwich Mean Time) Chassis 1, Slot 18, DSE board. Task name: Aux Data Message #910: Aborted HDLC frame
FAULT: 14-Jan-2000 17:08:53.29 (Greenwich Mean Time) Chassis 0, Slot 1, DSE board. Task name: Aux Data Message #776: HDLC message too large.
FATAL: 14-Jan-2000 17:08:47.09 (Greenwich Mean Time) Chassis 1, Slot 18, DSE board. Task name: Aux Data Message #910: Aborted HDLC frame

Vancouver GI Encoder Monitor

Communication A Chassis 0

TSP 0	TSP 1	TSP 2	TSP 3	TSP 4	TSP 5	TSP 6	TSP 7	PM	SM
A	A	A	A	A	A	A	A	A	A
C	C	C	C	C	C	C	C	C	C
DVC	DSE	DVC	DSE	DVC	DSE	DVC	DSE	PM	SM

Chassis 1

TSP 0	TSP 1	TSP 2	TSP 3	TSP 4	TSP 5	TSP 6	TSP 7	PM	SM
A	A	A	A	A	A	A	A	A	A
C	C	C	C	C	C	C	C	C	C
DVC	DSE	DVC	DSE	DVC	DSE	DVC	DSE	PM	SM

REFRESH

Use Micus Alarm and Control System to monitor your General Instrument DigiCipher II digital encoders from the comfort of your office chair!

Micus Alarm And Control System (MACS) is a computer based system which configures, controls and monitors various pieces of equipment, and collects and processes alarms generated by the equipment. Equipment operational status and controls are presented using user-definable graphical images, such as geographical maps, building layouts, equipment diagrams, equipment front panels, etc. In addition, all changes in the equipment status are reported in the textual form and saved in the event log files.

MACS is a multiuser system, implemented as a distributed client/server application, which runs either on a single computer or on a local or wide area TCP/IP network, under the Windows NT and/or Windows 2000 operating systems. The system is highly modular, thus allowing for rapid and easy customization, according to the specific application requirements.

Among other equipment, MACS supports collecting and monitoring alarms from the General Instrument DigiCipher¹ II digital encoders. To process alarms from a digital encoder, MACS receives all events from the encoder via a dedicated communication channel. It then saves encoder output in a set of encoder log files, created on daily basis.

Based on preset criteria, MACS decides which events reported by the encoder constitute alarm conditions. For example, all events that start with FAULT and FATAL keywords are considered alarm conditions. Once an alarm condition is detected, MACS displays a text alarm message in its main window, and automatically opens another window, which depicts the encoder reporting the alarm. From the encoder window, MACS operators can acknowledge and clear encoder alarms.

If no activity is reported by the encoder for an extended, user definable period of time, MACS alerts personnel about possible failure by triggering a communication alarm.

Each encoder requires a dedicated serial port on the MACS server. The number of encoders that can be monitored is limited only by the number of available serial ports. Windows NT operating system supports up to 255 serial ports.

For details on MACS, please refer to documentation available upon request. MACS GI Digital Encoder Equipment Module is available immediately from Micus Real Time Software Inc.

¹ DigiCipher II is a trademark of General Instrument Corporation.