MICRO-AIDE



EVENT RECORDERS
RECORDING SYSTEMS
Alarm Reporters
Data Loggers
CLOCK SYNCHRONIZERS
CURRENT SENSORS
LIGHT OUT DETECTORS
Voltage Monitors
BATTERY MONITORS
Power Isolated Modems
CUSTOM ENGINEERING



ProductCatalog

July 1, 2022 - June 30, 2023

MICRO-AIDE CORPORATION

Tel: 626-915-5502 Fax: 626-331-9484 685 Arrow Grand Circle Covina, CA 91722 E-mail: sales@micro-aide.com

MICRO-AIDE was founded in 1981 and remains today a privately owned and operated company. We believe our "hands-on" practice of ownership and management has served our company well and ultimately the needs of our customers. It takes many disciplines to manage the affairs of a successful company. However, MICRO-AIDE's philosophy is that financial management, sales, marketing and production activities represent crucial assets that are best utilized when they serve the needs of one over-arching concern. That concern is design and the pool of engineering expertise that underpins its success. MICRO-AIDE is, and will forever remain, an engineering-driven company decidedly interested in the technical needs of its customers and the industries that it serves.

Today MICRO-AIDE manufactures products that address the needs of several industries. The Rail Signal Products sector has evolved into a key component of each year's business plan. We have been designing recording and other ancillary devices since 1988. Over the years we've developed many innovative and successful products. However, our most successful products have been those that were initially conceived by our end users. We believe our engineering-driven philosophy provides us with an enhanced ability to appreciate the technical needs of our customers. It follows that we are better positioned to realize those needs in the form of useful products. Along with its customers, MICRO-AIDE shares an aversion for needless complexity and the degradation in performance, quality and product longevity that it frequently engenders. Technical efficiency is a hallmark of every MICRO-AIDE design.

Since its creation we have been located in the greater Los Angeles area. All of our design, manufacturing, testing, documentation and support activities share a factory facility in Covina, CA. We are enthusiastic supporters of, and participants in, the Buy America program. Our products are sold, supported and serviced directly by MICRO-AIDE. There are no agents, distributors or representatives who are authorized to act on our behalf.

T hank you for your continued interest in our products and the many contributions you have made that have supported our success.

Ion & Jania

Ron P. Garcia Director of Marketing

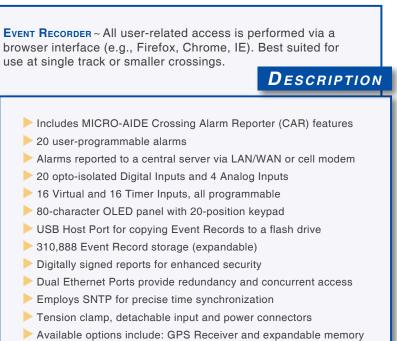
BROWSER ACCESSIBLE EVENT RECORDERS

NEW!

P/N: CWR-24B

- /=/0	
CWR-24B THE 04TE 07117154 09-31-20 CM248 EventBecoder	
M-A_Arrow_Grand_MP14 Event Recorder	Save USB Flash Drive
Power 1 2 3 Browse	Digital inputs 1 + 5 + 10 + 15 + 20
Active 4 5 6 Alpha Alarm 6 9 Setup Sent 9 Setup	
O ▲ Save/• Esc/Maintaine Login ▼ Fite	Mode

APPLICATION



NEW!

P/N: CWR-40B



APPLICATION

EVENT RECORDER ~ All user-related access is performed via a browser interface (e.g., Firefox, Chrome, IE). Best suited for use at mid-size crossings or small interlockings.

- Includes MICRO-AIDE Crossing Alarm Reporter (CAR) features
- 20 user-programmable alarms
- Alarms reported to a central server via LAN/WAN or cell modem
- 32 opto-isolated Digital Inputs and 8 Analog Inputs
- > 32 Virtual and 32 Timer Inputs, all programmable
- 80-character OLED panel with 20-position keypad
- USB Host Port for copying Event Records to a flash drive
- 261,632 Event Record storage (expandable)
- Digitally signed reports for enhanced security
- Dual Ethernet Ports provide redundancy and concurrent access
- Employs SNTP for precise time synchronization
- Tension clamp, detachable input and power connectors
- Available options include: GPS Receiver and expandable memory

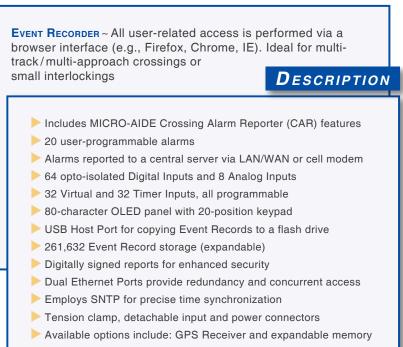
BROWSER ACCESSIBLE EVENT RECORDERS

NEW!

P/N: CWR-72B

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Save		8	000	000		40	10	
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1.00			0	0				
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USB Flash Drive				9			10	
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	Inputs							
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M								
	2	4				56		
CRO-AIDE				0				
	M	Digital 1 Inputs	Digital 16 Inputs +	Digital 18 +	Digital 16 K C C C C C C C C C C C C C C C C C C	Digital 18 + + + + + + + + + + + + + + + + + +	Digital 18 48 Inputs 48	Digital 18 48 48 48 48 48 48 48 48 48 48 48 48 48

APPLICATION



EVENT RECORDERS

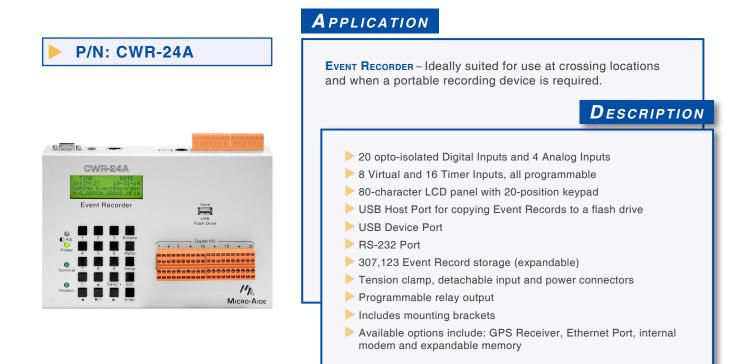
P/N: CRD-14A

Terminal Ethernet + Digital Inputs - B B N H Power Active Alarm 7 Running Terminal 1 Maintainer Mode /Event Storage Maintainer Mode PB Compact Recording Device MicRo-A	na formeid an					
Maintainer Mode PB GRD=14A	Terminal El	hernet	+ [0	1 Power
Terminal Maintainer Mode /Event Storage Maintainer Mode PB CRD=¶ 4A	Power		4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0	3 4 🕥
Terminal Maintainer Mode /B CRD=1 &A	Active Alarm		7		•	6 😁
Terminal Maintainer Mode / Event Storage Maintainer Mode PB CRD=14A	Running					8 🙆
Maintainer Mode PB	Terminal		10			10 🌚
GRD-14A + Analog Inputs -	Maintainer Mode/Even	t Storage		0 0		
	Maintainer Mode PB		4 + A	Analog Inputs	_	M
Compact Recording Device MICRO-A			_			
	Comp	act Recording	Devi	ice	IVII	CRO-AIDE

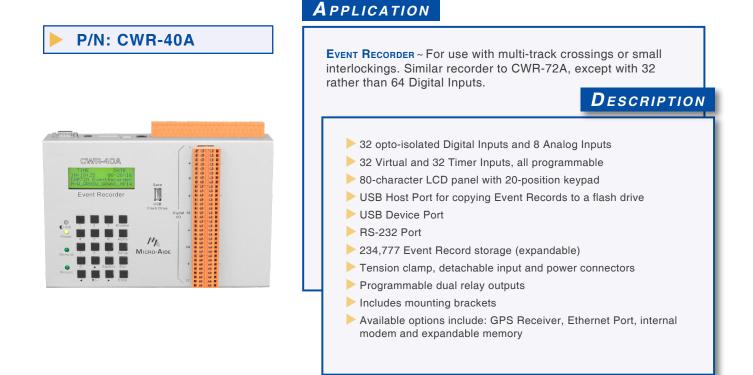
Application

EVENT RECORDER ~ Low cost recording device designed to meet the needs of crossing applications where alarm reporting is required, but a VPN is not accessible.

- Companion product to CAR-14A
- 10 opto-isolated Digital Inputs and 4 Analog Inputs
- User-controlled Counter per Digital Input
- 8 Virtual and 8 Timer Inputs, all programmable
- Max. 20 user-programmable alarms can be reported
- Easy-to-use Setup Database defines each alarm
- RS-232 Port
- > 297,045 Event Record storage (expandable)
- Alarms are logged to memory as Event Records
- Screw-down, detachable input and power connectors
- Available options include: Ethernet Port and expandable memory
- Upgradable to CAR-14A (with added cost)



EVENT RECORDERS



P/N: CWR-72A EVENT RECORDER ~ For use with large multi-track crossings or small interlockings. Small enough to serve as a portable device. Description 10 1000001 01 64 opto-isolated Digital Inputs and 8 Analog Inputs CWR-72A 32 Virtual and 32 Timer Inputs, all programmable 80-character LCD panel with 20-position keypad Event Recorder USB Host Port for copying Event Records to a flash drive USB Device Port RS-232 Port MA 234,777 Event Record storage (expandable) MICRO-AIDE Tension clamp, detachable input and power connectors Programmable dual relay outputs Includes mounting brackets Available options include: GPS Receiver, Ethernet Port, internal modem and expandable memory

APPLICATION

EVENT RECORDERS

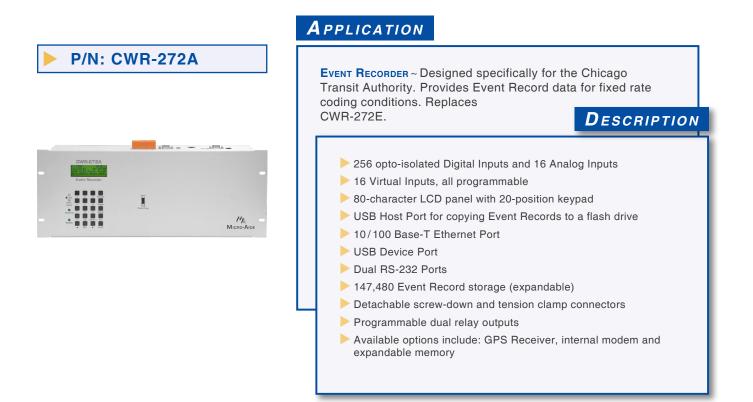
P/N: CWR-264A



APPLICATION

EVENT RECORDER ~ Designed for use at large interlockings and within LAN-based polling networks. Replaces CWR-264XL.

- 256 opto-isolated Digital Inputs and 8 Analog Inputs
- > 96 Virtual and 200 Timer Inputs, all programmable
- 80-character LCD panel with 20-position keypad
- USB Host Port for copying Event Records to a flash drive
- > 10/100 Base-T Ethernet Port with 5 concurrent Modbus interfaces
- USB Device Port
- Dual RS-232 Ports
- 221,284 Event Record storage (expandable)
- Detachable screw-down and tension clamp connectors
- Programmable dual relay outputs
- Available options include: GPS Receiver, internal modem and expandable memory

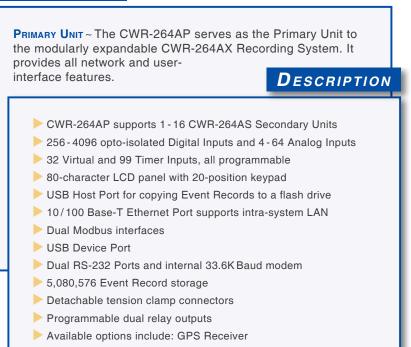


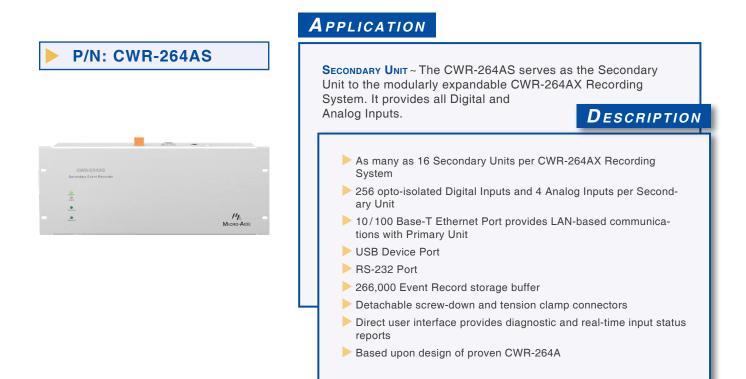
EVENT RECORDING SYSTEMS

P/N: CWR-264AP

	astisa -	
GWR-284AP		
Primary Event Recorder		
Constraints of the second seco	USA Flash low	
Baser		Micro-Aide

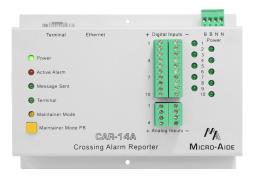
APPLICATION



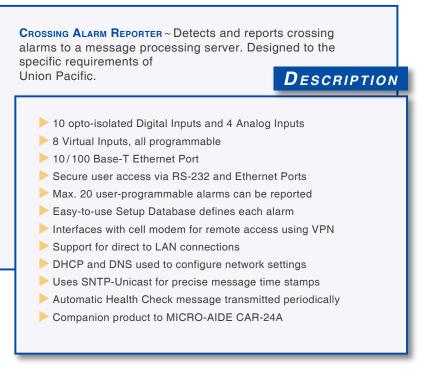


CROSSING ALARM REPORTERS

P/N: CAR-14A



APPLICATION



P/N: CAR-24A

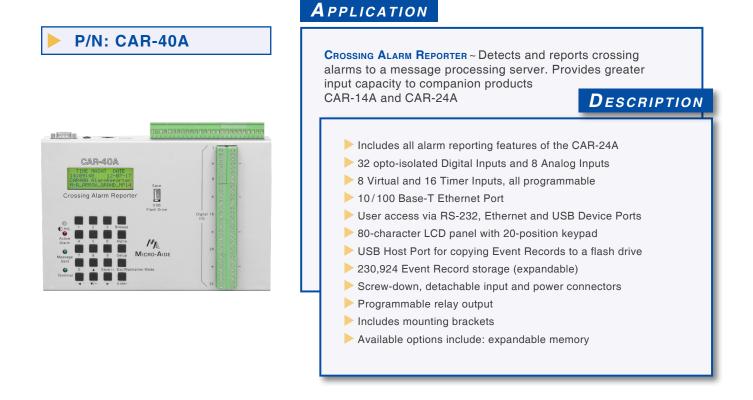


APPLICATION

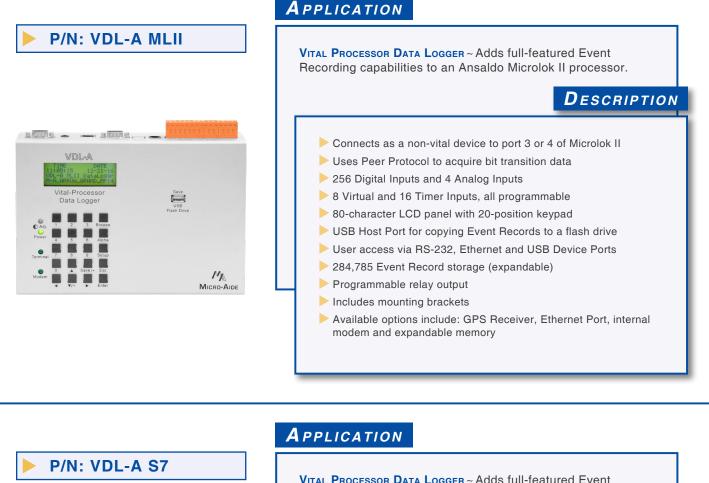
CROSSING ALARM REPORTER ~ Intended for use at crossings where alarm reporting is needed, but an Event Recorder is not available.

- Includes all alarm reporting features of the CAR-14A
- 20 opto-isolated Digital Inputs and 4 Analog Inputs
- 8 Virtual and 16 Timer Inputs, all programmable
- > 10/100 Base-T Ethernet Port
- User access via RS-232, Ethernet and USB Device Ports
- 80-character LCD panel with 20-position keypad
- USB Host Port for copying Event Records to a flash drive
- 302,084 Event Record storage (expandable)
- Screw-down, detachable input and power connectors
- Programmable relay output
- Includes mounting brackets
- Available options include: expandable memory

CROSSING ALARM REPORTERS



DATA LOGGERS





PPLICATION VITAL PROCESSOR DATA LOGGER ~ Adds full-featured Event Recording capabilities to a Siemens S7-300 processor. DESCRIPTION Connects as a non-vital device to CP 340 of S7-300 Uses 3964R protocol to acquire bit transition data 999 Digital Inputs and 4 Analog Inputs 8 Virtual and 16 Timer Inputs, all programmable 80-character LCD panel with 20-position keypad USB Host Port for copying Event Records to a flash drive User access via RS-232, Ethernet and USB Device Ports 284,785 Event Record storage (expandable) Programmable relay output Includes mounting brackets Available options include: GPS Receiver, Ethernet Port, internal modem and expandable memory

SOFTWARE

Þ P	P/N: GEA	GRAPHICAL EVENT ANAL cation that allows a us Record data.
SanDimas-ViaVe	de Plot1,gpl - GFAQplot	
	0	Runs on any Wind
D01:A2 TKR D11:2A HR D02:2A TKR		Compatible with a
D03:2B TKR D04:5 TKR D05:1A NVKR D06:1A RVKR D07:3A NVKR D08:3A RVKR		Supports serial po ing device
D09:5A NWKR D12:2B HR D13:2C HR		Can be used to ac
D14:2A RPR D15:2B RPR D16:SCADA-EN (none)		► User-selected dat
D10:EOR (none) EO8		Saved data can be
(none) 13/23/09	06:56:39.40 06:55:29.40 06:57:29.40 06:57:20.40	Flexible input to p
< Ready	03/23/09 06:56:32.32 03/23/09 06:56:48.16 +00:00:15.84 03/23/ //	
		Customizable Ploi time measuremen
		Output equations

APPLICATION

YZER SOFTWARE ~ Windows-based appliser to poll, save, review and plot Event

- lows PC
- II MICRO-AIDE CWR and VDL products
- ort, USB, modem and Ethernet access to record-
- ccess and save Event Record data
- a range and polling schedule
- e plotted using 256 different channels
- lotting channel assignments
- Window provides dual cursor positioning and ts
- Output equations and annotations can be plotted
- Download without charge from MICRO-AIDE website

Features	CRD-14A	CWR-24A	CWR-24B	CWR-40A	CWR-40B	CWR-72A	CWR-72B	CWR-264A	CWR-272A	CWR-264AX
Browser Accessible			√		√		√			
Modularly Expandable										~
Digital Inputs	10	20	20	32	32	64	64	256	256	256 - 4096
Analog Inputs	4	4	4	8	8	8	8	8	16	4 - 64
Virtual Inputs	8	8	16	32	32	32	32	96	16	32
Timer Inputs	8	16	16	32	32	32	32	200		99
Counters	10									
Train Speed Monitors		4	4	4	4	4	4	4	4	16
Relay Output(s)		1	1	2	2	2	2	2	2	2
Std. Memory Capacity	297,045	307,123	310,888	234,777	261,632	234,777	261,632	221,284	147,480	5,080,576
Max. Memory Capacity	1,264,533	1,274,611	3,193,064	2,947,289	3,055,104	2,947,289	3,055,104	3,711,844	3,095,064	5,080,576
Terminal Port(s)	1	1		1		1		2	2	2
USB Device Port		1		1		1		1	1	1
Ethernet Port(s)	opt.	opt.	2	opt.	2	opt.	2	1	1	1
USB Host Port		1	1	1	1	1	1	1	1	1
GPS Receiver		opt.	opt.							
Internal Modem		opt.		opt.		opt.		opt.	opt.	~
Time Stamp Res. (sec.)	.001	.001	.001	.01	.01	.01	.01	.01	.01	.01
SNTP Time Sync	opt.	opt.	\checkmark	opt.	\checkmark	opt.	\checkmark	\checkmark	\checkmark	~
Modbus Interfaces			unlimited		unlimited		unlimited	5		2
Coding Detection									\checkmark	
Temperature Sensor	~	\checkmark	~							
PLC Interface										
Alarm Reporting	\checkmark		\checkmark		\checkmark		\checkmark			
Definable Alarms	20		20		20		20			
GEA Support		\checkmark		\checkmark		\checkmark		\checkmark	\checkmark	~
Front Panel LCD/OLED		\checkmark	~							
Front Panel Keypad		\checkmark	~	~						

► Standard features are indicated by a numerical value or ✓ symbol

ltems available as added cost options are indicated by an opt. reference

Items not available or not applicable are indicated by a blank field

Features	CAR-14A	CAR-24A	CAR-40A	VDL-A MLII	VDL-A S7
Browser Accessible					
Modularly Expandable					
Digital Inputs	10	20	32	256	999
Analog Inputs	4	4	8	4	4
Virtual Inputs	8	16	8	8	8
Timer Inputs		16	16	16	16
Counters					
Train Speed Monitors		4	4		
Relay Output(s)		1	2	1	1
Std. Memory Capacity		302,084	230,924	284,785	284,785
Max. Memory Capacity		1,269,572	2,943,436	1,182,769	1,182,769
Terminal Port(s)	1	1	1	1	1
USB Device Port		1	1	1	1
Ethernet Port(s)	1	1	1	opt.	opt.
USB Host Port		1	1	1	1
GPS Receiver				opt.	opt.
Internal Modem				opt.	opt.
Time Stamp Res. (sec.)		.001	.01	.1	.1
SNTP Time Sync	\checkmark	\checkmark	\checkmark	opt.	opt.
Modbus Interfaces					
Coding Detection					
Temperature Sensor	\checkmark	\checkmark	\checkmark	\checkmark	~
PLC Interface				\checkmark	\checkmark
Alarm Reporting	\checkmark	\checkmark	\checkmark		
Definable Alarms	20	20	20		
GEA Support				\checkmark	~
Front Panel LCD/OLED		\checkmark	\checkmark	\checkmark	~
Front Panel Keypad		\checkmark	\checkmark	\checkmark	√

 \blacktriangleright Standard features are indicated by a numerical value or \checkmark symbol

Items available as added cost options are indicated by an opt. reference

Items not available or not applicable are indicated by a blank field

EVENT RECORD MEMORY OPTIONS

P/N	CRD-14A	CWR-24A	CWR-24B	CWR-40A CWR-72A	CWR-40B CWR-72B	CWR-264A	CWR-272A	CWR-264AX	CAR-24A	CAR-40A	VDL-A MLII VDL-A S7
Std.	297,045	307,123	310,888	234,777	261,632	221,284	147,480	5,080,576	302,084	230,924	284,785
40-0416	619,541	629,619	654,784	481,369	436,224	453,988	302,616		624,580	477,516	584,113
40-0616			916,800	727,961	610,816	686,692	457,752			724,108	
40-0816	1,264,533	1,274,611	1,178,816	974,553	785,408	919,396	612,888		1,269,572	970,700	1,182,769
40-1016			1,440,832	1,221,145	960,000	1,152,100	768,024			1,217,292	
40-1216			1,702,848	1,467,737	1,134,592	1,384,804	923,160			1,463,884	
40-1416			1,964,864	1,714,329	1,309,184	1,617,508	1,078,296			1,710,476	
40-1616			2,226,880	1,960,921	1,483,776	1,850,212	1,233,432			1,957,068	
40-1816			2,488,896	2,207,513	1,658,368	2,082,916	1,388,568			2,203,660	
40-2016			2,750,912	2,454,105	1,832,960	2,315,620	1,543,704			2,450,252	
40-2216			3,012,928		2,007,552	2,548,324	1,698,840				
40-2416				2,947,289	2,182,144	2,781,028	1,853,976			2,943,436	
40-2616					2,356,736	3,013,732	2,009,112				
40-2816					2,531,328	3,246,436	2,164,248				
40-3016					2,705,920						
40-3216					2,880,512	3,711,844	2,474,520				
40-3416					3,055,104		2,629,656				
40-3616							2,784,792				
40-3816							2,939,928				
40-4016							3,095,064				

First row indicates record capacity of standard unit before any expanded memory is added

Expanded memory option should be selected when recording product is initially ordered

Memory capacity can only be expanded for an existing product if the recording product is returned to the factory

CLOCK SYNCHRONIZERS

P/N: GCS-2



APPLICATION

GPS CLOCK SYNCHRONIZER ~ Used to synchronize the real-time clocks used by a variety of wayside systems and devices. Supports two Target Devices.

Description

- Internal GPS Rcvr provides 100% accurate time source
- 2 RS-232 ports used to time sync multiple Target Devices
- Works with EC-4, EC-5, HCA-1, HXP-3 and Microlok II
- Works with all MICRO-AIDE CWR, VDL and CAR products
- Ethernet option supports time server and time client modes
- User interface via RS-232, Ethernet Port or front panel
- Supports SNTP-Unicast and SNTP-Multicast protocols
- Alarm output indicates sync failure
- Data transparent mode provides access to Target Device
- Digital signing of Target Device reports
- Comes with mast-mount GPS antenna
- Available options include: Ethernet Port

P/N: GCS-6



APPLICATION

GPS CLOCK SYNCHRONIZER ~ Used to synchronize the real-time clocks used by a variety of wayside systems and devices. Supports six Target Devices.

- Internal GPS Rcvr provides 100% accurate time source
- 6 RS-232 ports used to time sync multiple Target Devices
- Works with EC-4, EC-5, HCA-1, HXP-3 and Microlok II
- Works with all MICRO-AIDE CWR, VDL and CAR products
- Ethernet option supports time server and time client modes
- User interface via RS-232, Ethernet Port or front panel
- Supports SNTP-Unicast and SNTP-Multicast protocols
- Alarm output indicates sync failure
- Data transparent mode provides access to Target Device
- Digital signing of Target Device reports
- Comes with mast-mount GPS antenna
- Available options include: Ethernet Port

CLOCK SYNCHRONIZERS

P/N: 85-0135



APPLICATION

GPS RECEIVER OPTION ~ Adds GPS-based time synchronization to a variety of MICRO-AIDE recording devices.

Description

- GPS module plugs directly into socket inside recording device
- Provides 100% accurate time stamping of Event Records
- Eliminates all user intervention related to time setting
- User-assignable time sync interval
- Comes with antenna attached to 16' cable
- Ruggedized antenna design allows for outdoor mounting
- Operating temperature range of -40°C to 72°C
- Fully powered by recording device's isolated power supply
- Time shift for 7 different North American time zones
- Optional item, for use with CWR-24A, CWR-24B, CWR-40A, CWR-40B, CWR-72A, CWR-72B, CWR-264A, CWR-272A, CWR-264AX, VDL-A MLII and VDL-A S7

P/N: 85-0175



APPLICATION

GPS RECEIVER OPTION ~ Adds GPS-based time synchronization to a variety of MICRO-AIDE recording devices. To be used with customer provided GPS antenna.

- GPS module plugs directly into socket inside recording device
- Provides 100% accurate time stamping of Event Records
- Eliminates all user intervention related to time setting
- User-assignable time sync interval
- Comes with 15' SMA low loss cable
- Cable includes MCX and Type N connectors for attachment to PolyPhaser® surge protector or direct to multi-band antenna
- Operating temperature range of -40°C to 72°C
- Fully powered by recording device's isolated power supply
- Time shift for 7 different North American time zones
- Optional item, for use with CWR-24B, CWR-40B and CWR-72B

CURRENT SENSORS

P/N: HCS-4



Application

HIGH CURRENT SENSOR ~ Designed to detect excessive current flow in track switching machines. Limit values are adjustable to suit a variety of requirements.

Description

- Equipped with 4 independent sensors
- Hall-effect design provides completely passive operation
- AC/DC compatible
- 1 to 20 Amp current range
- Outputs use normally open/closed, dry relay contacts
- Selectable latching and non-latching relay operation
- Digital design provides excellent stability and accuracy
- Screw-down, detachable relay and power connectors
- Powered from typical BN source, 8 to 40 Vdc
- Performs as a valuable preventative maintenance tool when limit values are set slightly less than over-current relay level

P/N: FLD-2



APPLICATION

FAILED LAMP DETECTOR ~ Provides detection of single or multiple lamp failures in flashing lamp circuits that use incandescent or halogen bulbs.

- Supports monitoring of two independent lamp circuits
- Hall-effect design provides completely passive operation
- AC/DC compatible
- 3 to 12 lamps per circuit
- Dual-leg design provides Flash Pulse (FP) output
- FP output mimics operation of EOR relay
- Digital design provides excellent stability and accuracy
- Simple, "set and forget" calibration
- Screw-down, detachable output and power connectors
- Powered from typical BN source, 8 to 40 Vdc
- LO outputs can be connected directly to any alarm reporting device or Event Recorder

VOLTAGE MONITORS

P/N: FVD-2



Application

FAILED VOLTAGE DETECTOR ~ Continuously monitors two separate batteries for abnormal voltage levels. Protracted duration feature prevents false failure indications.

Description

- Isolated design with very high input impedances
- Adjustable High and Low Limit Values per input
- Selectable duration times of 2, 10, 40 and 120 minutes
- Outputs use normally open/closed, dry relay contacts
- Selectable latching and non-latching relay operation
- LEDs indicate Limit Value violation
- Reset switch clears LEDs and relay outputs
- Digital design provides excellent stability and accuracy
- Screw-down, detachable relay and power connectors
- Powered from typical BN source, 8 to 36 Vdc
- Can be connected directly to any Event Recorder or Alarm Reporter

P/N: CSI-1



APPLICATION

CHARGE STATUS INDICATOR ~ Monitors ability of battery charger to provide charging current at critical time when battery voltage is low.

- Hall-effect circuitry provides passive current monitoring
- Isolated design with very high input impedances
- Low Limit Value for voltage is adjustable, 10 to 30 Vdc
- Low Limit Value for current is fixed at 1.0 Adc
- Output uses normally open/closed, dry relay contacts
- Red LED indicates voltage and current have failed
- Dual green LEDs indicate voltage and current are nominal
- Screw-down, detachable relay and power connectors
- Monitored battery is used to provide power, 8 to 30 Vdc
- Less than 1 W of power consumption
- Can be connected directly to any Event Recorder or Alarm Reporter

COMMUNICATIONS

P/N: PIM



APPLICATION

POWER ISOLATED MODEM ~ Ruggedized standalone modem designed specifically for use in a variety of railroad applications.

Description

- Operating temperature range of -40°C to 72°C
- Powered from typical BN source, 8 to 36 Vdc
- Uses fully isolated internal power supply
- Designed to meet FCC part 68 standards
- Small mounting footprint of 5.3" x 6.6"
- Supports all line signal speeds up to 33.6 bps
- Supports V.42 bis and V.44 data compression standards
- Supports error correction V.42 and MNP 2-5 standards
- Mounted inside an all-aluminum housing
- 6 front panel LEDs indicate modem status
- Comes with MICRO-AIDE's easy-to-use ModemConfig application for saving and creating specialized profiles

APPLICATION P/N: 85-0145 MODEM OPTION ~ Adds remote dial access feature to various MICRO-AIDE recording devices. Description Plugs directly into socket inside recording device Operating temperature range of -40°C to 72°C Fully powered by recording device's isolated power supply User-assignable auto-answer delay Allows Virtual Inputs to dial out fault-related Event Records Designed to meet FCC part 68 standards Supports all line signal speeds up to 33.6 bps Supports V.42 bis and V.44 data compression standards Supports error correction V.42 and MNP 2-5 standards Optional item, for use with CWR-24A, CWR-40A, CWR-72A, CWR-264A, CWR-272A, VDL-A MLII and VDL-A S7 (other legacy products)

COMMUNICATIONS

P/N: 85-0136



Application

ETHERNET PORT OPTION ~ Plug-in module that adds Ethernetbased features to applicable MICRO-AIDE recording devices.

Description

- Plugs directly into socket inside recording device
 Provides alternative, high speed user interface
 10/100 Base-T Ethernet Port
 Provides 4 Ethernet sockets
 Adds SNTP-Multicast time syncing of real-time clock
 Provides remote access to recording device using Telnet
 Assignable IP address, sub-net mask and Telnet port
 Assignable gateway and MAC addresses
 Telnet and raw TCP/IP data modes
 Link active and data activity LEDs
 - Optional item, for use with CWR-24A, CWR-40A, CWR-72A, VDL-A MLII and VDL-A S7 (other legacy products)

P/N: 85-0158

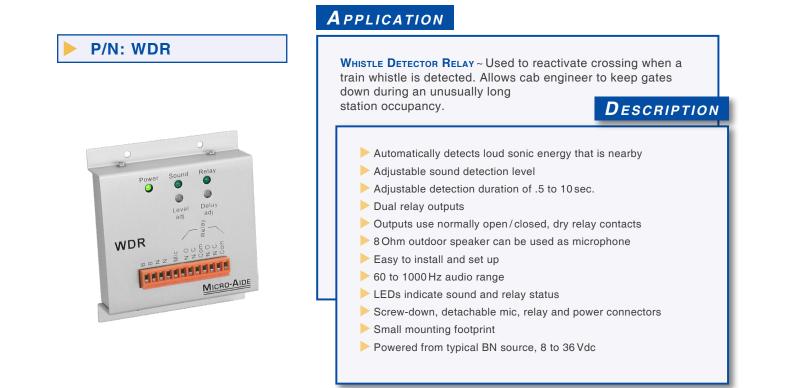


Application

ETHERNET PORT OPTION ~ Plug-in module that adds Ethernetbased features to applicable MICRO-AIDE recording devices.

- Plugs directly into socket inside recording device
- Provides alternative, high speed user interface
- 10/100 Base-T Ethernet Port
- Provides 4 Ethernet sockets
- Adds SNTP-Multicast time syncing of real-time clock
- Provides remote access to recording device using Telnet
- Assignable IP address, sub-net mask and Telnet port
- Assignable gateway and MAC addresses
- Telnet and raw TCP/IP data modes
- Link active and data activity LEDs
- Optional item, for use with CRD-14A, available as part of CRD-14A to CAR-14A upgrade

WHISTLE DETECTOR



PRODUCT ORDERING INFORMATION

- All prices are USD, exclusive of delivery charges, freight insurance, taxes and duties
- Payment terms are 0 % discount, net 30 days
- All prices will be increased 2 % when buyer payment terms are 31 to 60 days
- All prices will be increased 4 % when buyer payment terms are 61 to 90 days
- Purchase orders with payment terms in excess of 90 days will not be accepted
- A 5% volume-based discount is available on purchase orders of \$150,000 and more
- VISA[®] and MasterCard[®] are accepted
- Unless otherwise acknowledged, freight is FOB factory, Covina, CA
- Unless otherwise acknowledged, freight is handled on a prepay-and-add basis
- Unless otherwise acknowledged, UPS Ground service will be used for all shipments.
- Purchaser must advise MICRO-AIDE if freight insurance is required
- All MICRO-AIDE Rail Signal Products include a 5-year limited warranty
- Detailed product information is available at: www.micro-aide.com/support/documentation.html
- Firmware and software upgrades can be downloaded at: www.micro-aide.com/support/downloads.html