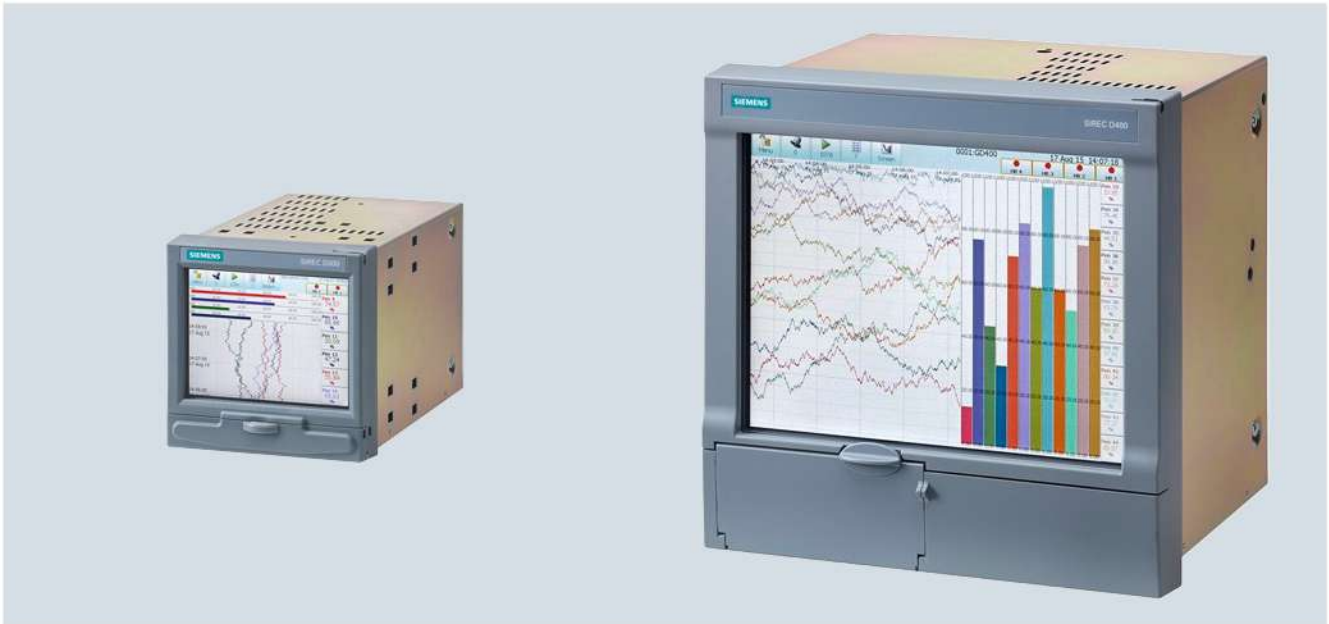


Display Recorders

SIREC D300 and SIREC D400

Overview



Crystal Clear Display

- Digital Colour LCD (TFT)
- Resolution
 - SIREC D300: VGA Resolution (640 x 480 pixels)
 - SIREC D400: XVGa Resolution (1024 x 768 pixels)
- Clear and intuitive operation
- Industrial rugged Touch Screen with rapid navigation
- Custom Screens

Comprehensive Connectivity

- 10/100 Ethernet (DHCP), web, e-mail
- FTP, TCP/IP and RS485 Modbus Protocol
- USB ports for keyboard and mouse

Data Storage

- On-board non-volatile memory - up to 4 GByte
- Removable SD card and USB storage
- No moving parts - all solid state data storage

Security Stringent - Total Data integrity

- Password Protection - 21CFR Part 11
- ESS - Extended Security System
- Password Network Synchronization

Plus..

- Health Watch for preventative maintenance
- Remote Access - Advanced Software Data Analysis
- Analysis at your PC
- Independent Chart and Logging speeds
- Global Language Support
- Rapid review and replay of data at recorder
- Approvals - CE
- NEMA 4X/IP66 (option)
- Up to 50 Hz (20 ms) Logging
- Analog Inputs
 - SIREC D300: Up to 16 Analog Inputs
 - SIREC D400: Up to 48 Analog Inputs
- Remote Viewing Tool
- Concurrent Batch Mode
- AMS2750 Capabilities

Function

Display

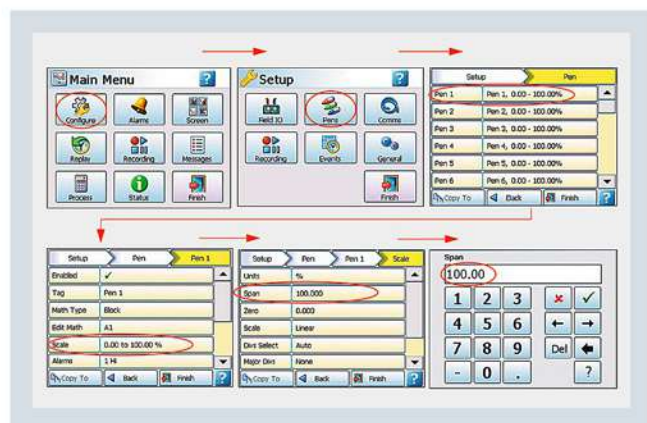
12.1" Digital Colour LCD TFT (SIREC D400)
 5.7" High Resolution Digital Colour LCD TFT (SIREC D300)

With more than 256 000 colours makes it easy to interpret process data and take action with the intuitive bar charts, digital values, trends or customised displays. A screen saver function can be set from 1 to 720 minutes to extend the life of the backlight.

Touch Screen

The heavy duty durable touch screen provides easy data entry and rapid navigation through the menus. The touch screen operator interface provides fast, easy access to the recorder menus making set up and data analysis quick and efficient.

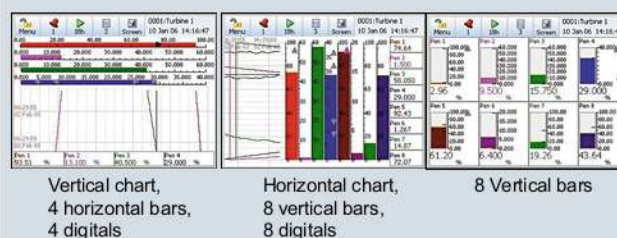
Navigation through the menus and text entry are direct and intuitive:



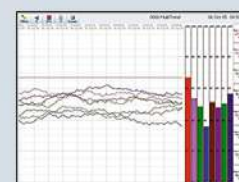
Example of a recorder menu path from the Main Menu to Pen Scale configuration with clear rapid navigation

Standard Screens

Up to 20 screens (SIREC D300) respectively 30 screens (SIREC D400) displaying multiple combinations of Charts, Bars and Digitals can be configured, 4 respectively 6 (SIREC D300 respectively SIREC D400) examples below.



16 Digital Panel Meters



Horizontal Chart, 8 Vertical Bars and 8 Digital Panel Meters



16 Vertical Bars



16 Horizontal Bars

Help Files

A complete contextual help system can be accessed and visualised on the screen of the recorder.

Logarithmic Scales

All displayed scales can be set as linear or logarithmic.

Replay with Zoom

Select replay mode and zoom-in on a specific area on the screen. The data can easily be replayed at the recorder with the ability to "zoom". The touch screen makes it fast to review and analyse historical data. A "Jump" function allows you to go from any message list directly to the trend showing the occurrence of the alarm.

Display Recorders

SIREC D300 and SIREC D400

Technical specifications

Design Attributes

Display size and Type	Diagonal, Digital Colour LCD (TFT) with Touch Screen Industrial grade with brightness adjustment and wide viewing angle 5.7" (14.5 cm) diagonal, color 12.1" (30.7 cm) diagonal, color	Standard Screens and Custom Screens	Fully programmable display values in engineering units. Time & date stamp on every division. Sets of Standard screens are available to display data on a chart, digital reading, bargraphs or numerous combinations thereof. Screen properties can be modified on the recorder and customised to suit. Custom screens created in the Screen Designer software can be imported into the recorder for specialist applications. Custom Screen firmware option is required.	
<ul style="list-style-type: none"> SIREC D300 SIREC D400 				
Resolution	VGA (640 x 480 pixels) XVGA (1024 x 768 pixels)		Digital values displayed include <ul style="list-style-type: none"> Alarms on bars Engineering units Pen name Measuring point number Tag, time and date 20 character description Totalised values 	
Screen Saver	Set in minutes from 1 ... 720, can be set to dim the screen or to switch off			
Brightness adjustment	Adjustable between 10 and 100 %, default set to 80 % brightness.			
Backlight life time		Data Storage		
<ul style="list-style-type: none"> SIREC D300 	55 000 hours to half brightness when used at 100 % (86 000 h if used at 80 %), maximum luminosity 400 cd/m ²	<ul style="list-style-type: none"> Removable Media Local Mass Storage Options 	SD card, supports up to 32 GByte <ul style="list-style-type: none"> USB memory key - must be formatted USB hard drive - up to 120 GByte 	
<ul style="list-style-type: none"> SIREC D400 	43 000 hours to half brightness when used at 100 % (67 000 h if used at 80 %), maximum luminosity 400 cd/m ²	<ul style="list-style-type: none"> Internal Data Buffer 	Non-volatile, 256 GByte (56 million acquisition values) upwards to 3.7 GByte (4 800 Million points) Stored internally on non-volatile memory	
Display Update Rate	Display values updated every second	<ul style="list-style-type: none"> Setup and screens 	Data saving by inserting compact flash card or USB memory stick	
Status Display	A status bar, at the top of the recorder's screen, displays the real-time icons of the recorder status, such as Recording Time left and alarm active	<ul style="list-style-type: none"> Manual Saving 	Related to log rate, number of pens, totals and alarms. Each pen is capable of its own independent storage rate (20 ms ... 60 h)	
Communications	Ethernet 10/100 base -T with RJ45 connector supporting Modbus/TCP, FTP, Internet, DHCP or fixed IP address, RS485 Modbus RTU (up to 115200 Baud Rate)	<ul style="list-style-type: none"> Data Saving Period 	Binary encoded format	
Mathematics	Basic Maths include Add, Subtract, Multiply, Divide, Modulo and power. Full Maths and Scripting (option) support up to 100 character free form math expression for each pen. For example SINE, COS, TAN, Log, Parenthesis (eg. A1 + A2), comm variables, free memory, and access to any data item variable (A1, P1, D1 etc.).	<ul style="list-style-type: none"> Data Format Recycling Mode 	Internal memory has FIFO (First In First Out) capability where the newest data over-writes the oldest data	
Front and Rear USB Ports	USB host ports front and rear for data and setup transfers through these ports. External devices (keyboard or mouse), Barcode reader, or external mass storage device. (USB 1.1 compliant)	Power Requirements	100 V AC ... 250 V AC (auto select) 50/60 Hz	
		<ul style="list-style-type: none"> Voltage (VRMS) Frequency Power Consumption <ul style="list-style-type: none"> - SIREC D300 < 40 W - SIREC D400 < 60 W Optional instrument power Voltage <ul style="list-style-type: none"> - SIREC D300 12 ... 30 V DC/12 ... 20 V AC Power Consumption: < 40 W - SIREC D400 20 ... 55 V DC/20 ... 30 V AC Power Consumption: < 60 W 		
		Common Relay Output (SPNC)		
		<ul style="list-style-type: none"> NC common alarm relay 	2 contacts, normally open when the recorder is powered (no active alarms), rating 24 V, 1 A	
		Battery	Battery backed up for clock, Lithium battery Type 6032, 3.0 V – 10 years life (Recorder powered), 1 year life, typical (Recorder unpowered)	

Password Protection <ul style="list-style-type: none"> • Engineer • Supervisor • Technician • Operator Languages	<p>Multiple Administrator control of password setup and management with 4 levels of password protection for – Engineer, Supervisor, Technician, and Operator. Up to 50 different users are available. Password protection restricts user entry to the recorder set up and specific screens.</p> <p>Highest access to all levels, Supervisor, Technician and Operator</p> <p>2nd highest level including Technician and Operator access</p> <p>3rd level including Operator access</p> <p>4th and lowest level of access</p> <ul style="list-style-type: none"> • English UK & US • French • German • Italian • Spanish • Brazilian • Polish • Hungarian • Slovakian • Czech • Turkish • Romanian • Russian • Greek • Portuguese • Bulgarian • Chinese • Japanese • Korean 	Display Chart Speeds <ul style="list-style-type: none"> • Chart rates 	<ul style="list-style-type: none"> • 1 mm/h • 5 mm/h • 10 mm/h • 20 mm/h • 30 mm/h • 60 mm/h • 120 mm/h • 600 mm/h • 1200 mm/h • 6000 mm/h <p>Combinations of rates can be mixed and chart speeds can be set independently for each chart. Display speeds are independent of logging rate.</p>
Temperature Units Recorder Identification Clock Alarm Set Points <ul style="list-style-type: none"> • Alarm triggers • Alarm Damping • Hysteresis • Common relay output Data Replay Mode	<p>°C, °F oder K (Kelvin)</p> <p>Status bar: Alternately displays Recorder ID and Recorder Screen Name. Displays Time and Date.</p> <p>Accuracy: ± 29 ppm (± 1 minute/month) at 25°C.</p> <p>Summer/Winter manual or automatic time adjustment or via communications. SNTP Client and/or Server included for synchronising over Ethernet.</p> <p>6 per pen integral "soft" alarm set points easily set by user to announce selected out of limit conditions; user can select if an alarm triggers a change in the screen background colour</p> <p>Alarm triggers can be set for Hi, Lo, Deviation (latched or unlatched) for alarm acknowledgement</p> <p>1 s ... 24 h</p> <p>± 100 % of pen scale</p> <p>1 A, 24 V; can be activated on any alarm</p> <p>Data replay facility on chart displays at normal, fast or slow speeds with zoom and cursor</p>	Messages Screen CE Conformity (CE Mark) Immunity Product Classification Enclosure Rating Installation Requirements EMC Standards Safety	<p>The message screen displays system information and records any setup activity that has been changed. It also provides warning and error message updates, lists alarm activity and will display user defined marks on a chart.</p> <p>This product conforms with the protection requirements of 2014/35/EC, the Low Voltage Directive, and 2014/30/EC, the EMC Directive. Conformity of this product with any other "CE Mark" Directive(s) shall not be assumed.</p> <p>Complies with EN 61326-1:2013 Class I: Cord Connected, Panel Mounted Industrial Control Equipment with protective earthing (grounding), EN 61010-1:2010</p> <p>Front panel designed to NEMA3/IP54 (Optional NEMA 4X/IP66)</p> <p>Category II; Overvoltage (EN 61010-1:2010) Pollution Degree 2</p> <p>Emissions - EN 61326-1:2013 Class B Immunity - EN 61326-1:2013 Industrial Levels</p> <p>Complies with EN 61010-1: 2010 Panel Mounted Equipment, Terminals must be enclosed within the panel</p>
		Analog Inputs Number of Inputs <ul style="list-style-type: none"> • SIREC D300 • SIREC D400 Input Types Minimum Input Span Burnout (T/C) Cold Junction Compensation Input Resolution	<p>4, 6, 8, 12 or 16 input channels</p> <p>4, 6, 8, 12, 16, 24, 32, 40 or 48 input channels</p> <p>mV, V, mA with external shunt (provided as standard), Thermocouple, RTD and ohms</p> <p>Range is fully configurable with span limitation of the operating range selected with 4 % under range to 4 % over-range capability (50 V Range 2 %)</p> <p>Active (High or Low), Passive and Health watch/maintenance (option).</p> <p>Internal compensation with the ability to manually adjust values, External Input for compensation, External CJC value specified</p> <p>0.0015 % (16 Bit ADC)</p>

Display Recorders

SIREC D300 and SIREC D400

Input Impedance			
• Current loop resistance	10 Ω, use ± 0.1 % external resistor, Volts > 1 MΩ, all other > 10 MΩ		
Source Impedance			
• T/C and RTD	100 Ω per lead maximum (Cu10 = 15 Ω)		
Square Root Extraction	Available as standard on every input type		
Sensor Compensation	Single point and Dual point		
Input Sampling Rate			
• SIREC D300	Recorder has 2 available slots with up to 8 analog inputs each; the input sampling rate is dependent on actuation type		
• SIREC D400	Recorder has 6 available slots with up to 8 analog inputs each; the input sampling rate is dependent on actuation type		
• All Inputs	100 ms (10 Hz), 200 ms (5 Hz), 500 ms (2 Hz)		
• Fast Sampling	20 ms (50 Hz) - mA, mV, Volts and Ohms only		
Linear Scales	<ul style="list-style-type: none"> • Normal and Scientific notation • Decimal Point automatic or programmable • Engineering units, user definable (10 characters) 		
Logarithmic Scales	Logarithmic Decade limits: -38 min, to +38 max, (recommend up to 20 decades on one screen to ensure clarity)		
Input Isolation	300 V AC channel-to-channel, channel-to-ground		
Noise Rejection	At 50/60Hz ± 2 %		
• Common mode	2 Hz = -120 dB, 5 Hz = -120 dB, 10 Hz = -120 dB		
• Normal Mode	2 Hz = -85 dB, 5 Hz = -80 dB, 10 Hz = -48 dB		
Input Actuation (Linear)			
• mV (DC)	Range -1000 ... +1000		
• V (DC)	-50 ... +50		
• mA	4 ... 20, 0 ... 20		
• 200 Ω	0 ... 200		
• 500 Ω	0 ... 500		
• 1000 Ω	0 ... 1000		
• 4000 Ω	0 ... 4000		
Thermocouples			
• B	Temperatur range 260 ... 538 °C (500 ... 1000 °F) 538 ... 1816 °C (1000 ... 3300 °F)		
• E	-270 ... -200 °C (-454 ... -328 °F) -200 ... -70 °C (-328 ... -94 °F) -70 ... +1000 °C (-94 ... +1832 °F)		
• J	-210 ... 0 °C (-346 ... +32 °F) 0 ... 1200 °C (32 ... 2192 °F)		
• K	-270 ... -70 °C (-454 ... -94 °F) -70 ... +1372 °C (-94 ... +2502 °F)		
• R	-50 ... +260 °C (-58 ... +500 °F) 260 ... 1768 °C (500 ... 3214 °F)		
• S	-50 ... +260 °C (-58 ... +500 °F) 260 ... 1768 °C (500 ... 3214 °F)		
• T	-270 ... -210 °C (-454 ... -346 °F) -210 ... +400 °C (-346 ... +752 °F)		
• L	-200 ... 0 °C (-328 ... +32 °F) 0 ... 900 °C (32 ... 1652 °F)		
• G (W_W26)	0 ... 100 °C (32 ... 212 °F) 100 ... 316 °C (212 ... 601 °F) 316 ... 2315 °C (601 ... 4199 °F)		
• C (W5, W26)	0 ... 180 °C (32 ... 356 °F) 180 ... 1220 °C (356 ... 2228 °F) 1220 ... 2315 °C (2228 ... 4199 °F)		
• M (NiMo-NiCo) (NNM90)	-50 ... +370 °C (-58 ... +698 °F) 370 ... 1410 °C (698 ... 2570 °F)		
• N (Nicosil Nisil)	-200 ... +100 °C (-328 ... +212 °F) 100 ... 1300 °C (212 ... 2372 °F)		
		<ul style="list-style-type: none"> • Chromel/Copel • P (Platinel) • D 	-50 ... +600 °C (-58 ... +1112 °F) 0 ... 1390 °C (32 ... 2534 °F) 0 ... 180 °C (32 ... 356 °F) 180 ... 1840 °C (356 ... 3344 °F) 1840 ... 2490 °C (3344 ... 4515 °F)
		Resistance thermometers	Temperatur range
		<ul style="list-style-type: none"> • Pt100 α = 0,00385 • Pt 200 • Pt 500 • Pt 1000 • Nickel, 100 Ω • Nickel, 120 Ω • Cu10 • Cu53 	-200 ... +850 °C (-328 ... +1562 °F) -200 ... +850 °C (-328 ... +1562 °F) -200 ... +850 °C (-328 ... +1562 °F) -200 ... +850 °C (-328 ... +1562 °F) -60 ... +180 °C (-76 ... +356 °F) -80 ... +260 °C (-112 ... +500 °F) -200 ... +260 °C (-328 ... +500 °F) 0 ... 150 °C (32 ... 302 °F)
		Logging	
		Logging Method	Sample, Average, Min/Max - can be set independently per pen
		Logging Types	Continuous, Fuzzy
		Logging Rate	From 200 ms ... 60 h per Pen
		Fuzzy Logging	A secure data storage technique which delivers data compression ratio of 100:1 or more; self teaching, storing the data at a variable rate to match the process
		Mechanical Design	
		Enclosure/Bezel	Zinc plated steel case with high impact resistant polycarbonate bezel; scratch resistant lens
		• Enclosure Rating	<ul style="list-style-type: none"> • NEMA 3/IP54 protection rating standard • Optional NEMA 4X/IP66 (front face only)
		• Colour	Bezel: Grey
		Mounting Panel	Unlimited mounting angle For the best view of the display the viewing angle should not exceed: <u>SIREC D300</u> <ul style="list-style-type: none"> • 55° from the left or right, • 40° looking down and • 50° looking up at the recorder display. <u>SIREC D400</u> <ul style="list-style-type: none"> • 70° from the left or right, • 45° looking down and • 55° looking up at the recorder display. Mounting adjustable for panel thickness of 2 mm ... 20 mm. Adapter kits available for covering existing panel cutouts.
		Dimensions (W x H x D) in mm	Additional 80 mm (3.15") clearance recommended for a straight type power cable and signal connectors 144 x 144 x 200 (5.67 x 5.67 x 7.87") 300 x 300 x 247 (11.34 x 11.34 x 9.72")
		• SIREC D300	
		• SIREC D400	
		Cutout (W x H) in mm	
		• SIREC D300	138 x 138 mm (5.43 x 5.43")
		• SIREC D400	281 x 281 mm (11.06 x 11.06")
		Weight	
		• SIREC D300	Max. 3.5 kg (7.7 lb)
		• SIREC D400	Max. 10 kg (22 lb)
		Wiring Connections	IEC power plug. Removable terminal strip for input and alarm connections

SIREC D300 and SIREC D400

Environmental and Operating Conditions

Ambient Temperature	0 °C ... 50 °C (32 °F ... 122 °F)
Relative Humidity (%RH)	10 ... 90
Vibration	
• Frequency (Hz)	0 ... 70
• Acceleration (g)	0.1
Mechanical Shock	
• Acceleration (g)	1
• Duration (ms)	30
Mounting Position from Vertical	
• Tilted Forward	40°
• Tilted Backward	65°
• Tilted to Side (±)	65°
Power Requirements	
• Mains Voltage (Vrms)	100 ... 250
• Low Voltage AC (Vrms)	20 ... 30
• DC Voltages	20 ... 55
• Frequency (Hz)	47 ... 63
Power Consumption	
• SIREC D300	AC: < 40 W (max), DC: < 40 W (max). Typical 20 W
• SIREC D400	AC: < 60 W (max), DC: < 60 W (max) . Typical 30 W
Warm Up	30 minutes minimum
Seismic Qualification	Complies with IEEE 323-1974 and/or 1983 and IEEE 344-1975 and/or 1987 (optional)

Options

Pulse Input	
• Quantity	4 isolated inputs per board
• Frequency	1 Hz ... 25 kHz, updated once per second
• Input	Low < 1V, High > 4 V ... < 50 V or Volt free input: Low = short circuit, High = open circuit.
Alarm Outputs	Programmable alarm set points (6 per pen) can be configured to activate up to 16 (SIREC D300) respectively 48 outputs (SIREC D400)
• Update rate	200 ms for all alarms
• Number/Type	• 4 or 8 relay contacts SPDT, 3 A 240 V AC, 3 A 24 V AC/DC, 0.2A 240 V DC (non-inductive, internally suppressed) • 8 I/O or 16 I/O - SPNO, 1 A 24 V DC (non-inductive, internally suppressed)
• Activation	Fully programmable internal alarm levels. Assignable to any relay output
Digital Input/Output	
• Quantity	• 8 I/O or 16 I/O All channels may be selected freely as either digital inputs or outputs. The Digital I/O card also has 4 channels that can be set as pulse inputs (channels 1 ... 4). The operating frequency for pulse inputs on the Digital I/O card is 1kHz max.
• Relay Outputs	• 4 relay outputs All four channels are relay outputs only

• Relays/DI card

• 8 relays/ 2 DI card

2 outputs can be configured for use as digital inputs: A digital input is provided by a volt free contact between the normally open (NO) and the common (C) terminals of an output relay. If the 2 Digital inputs are used only 6 relay outputs are available. Closed < 500 Ω, Open > 300 kΩ.

Custom Screens

Provides the capability in the recorder to accept custom screen designs from the Screen Designer.

E-mail

Setup email accounts to send the following:
When an Alarm is triggered or an Email can be sent as a part of an Event occurring, such as: Alarms - In/Out/Ack, Totaliser - Start, Stop or Reset, Digital Inputs - On, Off or State change, TC Burnout - on a specific Analog Input channel, Scheduled Events - Once, Interval, Specific days, Month End

Event marker

User defined process events are recorded and can be set to cause particular recorder actions. Events can consist of recording start/stop, digital inputs, alarms, totalising actions, timers, barcode, etc. Once an event has been caused it can produce a definable set of effects on the recorder which can include, mark on chart, relay outputs, recording control, acknowledge alarm, trigger an Event, set/clear Relay, Screen change, E-mail a message and Reset max/mins. Each event marker can be recorded for analysis using the SIREC D application software.

Analog Outputs
(Re-transmission Outputs)

Re-transmission outputs available; a pen drives each output. Analog inputs, totalised values or any mathematical result can be re-transmitted.

• Quantity

- SIREC D300
- SIREC D400

• Update Rate

• Accuracy

2 or 4 re-transmission outputs
2, 4, 6 or 8 re-transmission outputs
250 ms all channels
± 0.1 % (0 ... 500 Ω load),
± 0.25 % (500 Ω, 1 kΩ load)
0 ... 20 mA, 4 ... 20 mA
1 kΩ
0,002 %
300 V AC

• Type

- Maximum Load Resistance
- Resolution
- Isolation

Health Watch/Maintenance Capability

The recorder keeps track of important "life actions" for improved diagnostics and preventative maintenance notification. Including

- Powered On
- Last powered On
- Time On since power up
- Total On time
- Total Off time
- Longest Off time
- Hardware/Firmware updates
- Lithium cell life
- Backlight life left at 100 % brightness
- SD card insertions
- Hi/Lo CJC value (Hi & Lo temps),
- Analog In last factory/user calibration
- Relay operations

Display Recorders

SIREC D300 and SIREC D400

Options

Options - Hardware

Alarm Card

- 4 or 8 outputs relay contacts SPCO 240 V
- 8 Digital I/O or 16 Digital I/O - SPNO 24 V DC
- Programmable alarm set points can be configured to activate up to 16 outputs for the SIREC D300 and 48 outputs for the SIREC D400.

Analog Output

- 2 or 4 outputs available per card
- Output type: 0-20 mA or 4-20 mA

Nema 4X/IP66

- Nema 4X/IP66 protection available as an option.

Portable Recorders

- Portable cases available as an accessory item.

Digital Input

Two digital input options are available:

- 2 inputs on 8 channel Alarm card, 8 inputs on 8 Digital I/O card and 16 inputs on a 16 Digital I/O card. The digital inputs allow users to initiate, from a remote location via a dry contact closure, selected recorder functions.

Pulse Counting

- Up to four counting inputs per board, are available to count signals up to 25 kHz (SIREC D300: max. 2 cards; SIREC D400: max. 6 cards).

24 V AC/DC or 48 V DC Power Supply

- 20 to 55 V DC
- 20 to 30 V AC

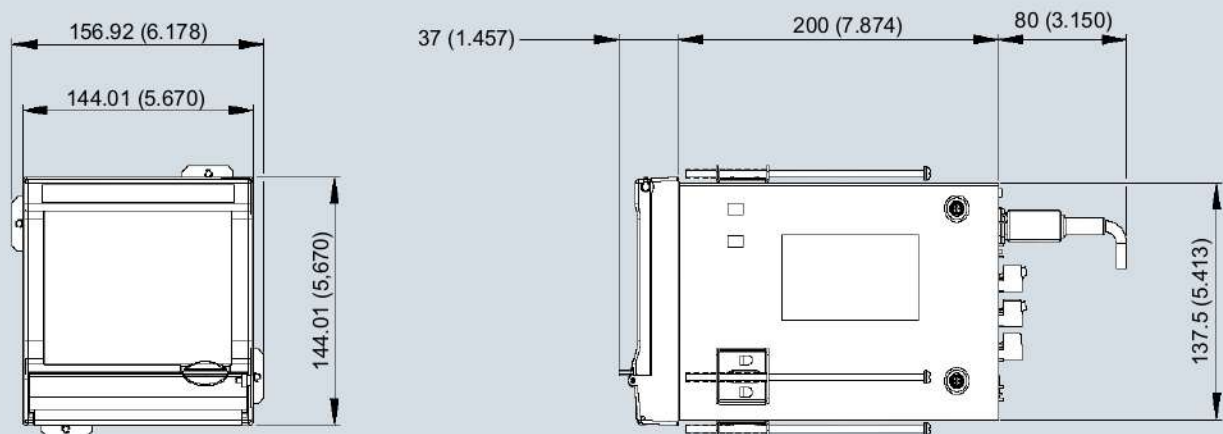
24 V DC Transmitter Power Supply

- Can supply up to 200 mA (SIREC D300) respectively 1 A (SIREC D400) to external transmitters.

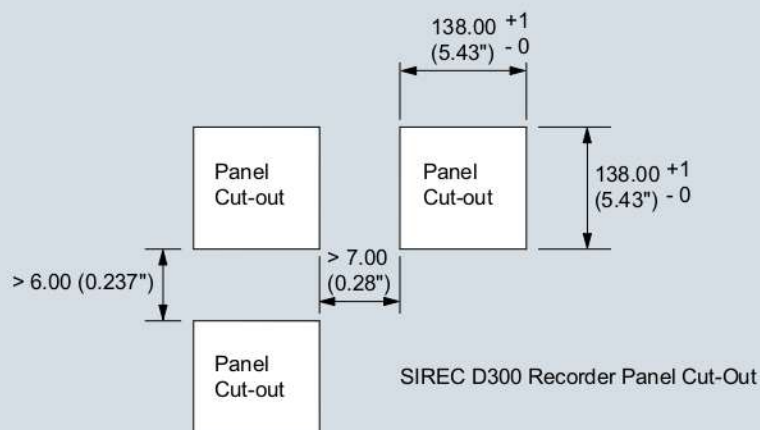
Print Support

- Network printing from status, message and replay screens. Plus screen capture facility of process screens instantly using a basic USB standard PCL printer.

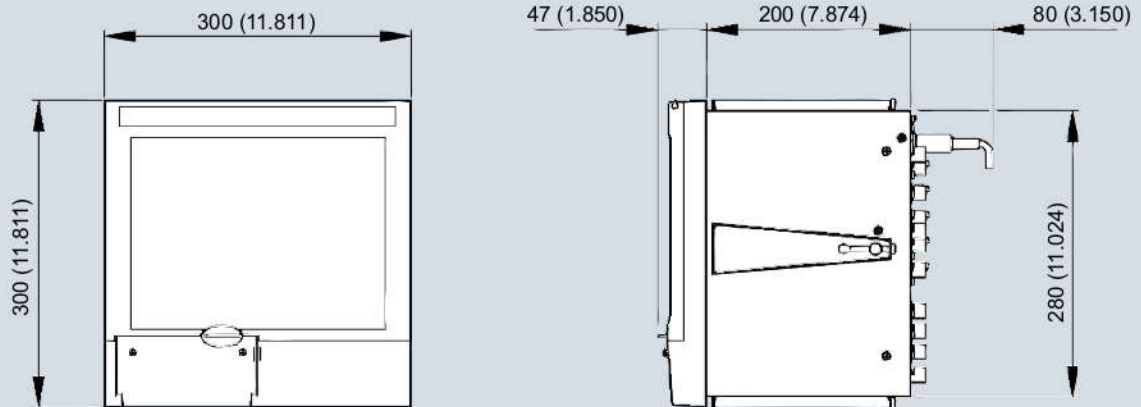
Dimensional drawings



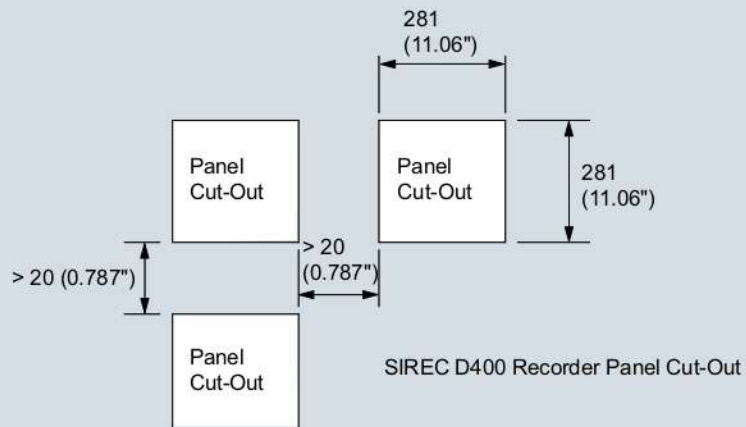
Two mounting brackets are supplied as standard



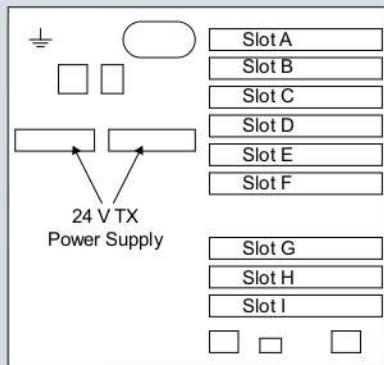
SIREC D300, dimensions in mm (inch) and panel cut-out



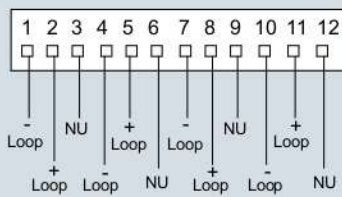
Two mounting brackets are supplied as standard



SIREC D400, dimensions mm (inch) and panel cut-out

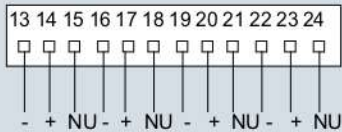


Analogue Output - Slots E and F



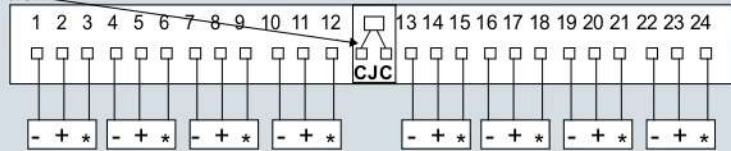
Pulse Input - Slots A to F

Connector position on right hand side

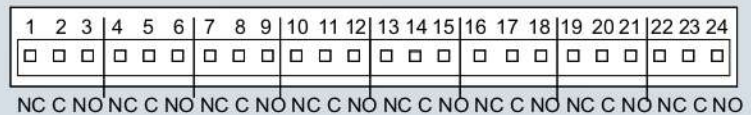


CJC Connector position

Analogue Input - Slots A to F

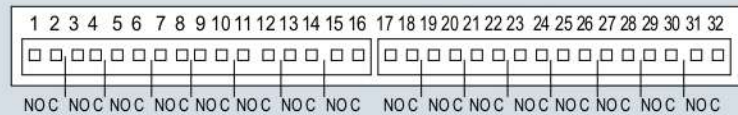


4 and 8 Relay Alarm - Slots G to I



Last 2 channels can be Digital Inputs on the 8 Alarm Relay card.

8 and 16 Digital Input/Output - Slots G to I



24 V Transmitter Power Supply

Connection is made via two 10-way connector at rear of unit.

Key: NO = Normally Open , C = Common , NC = Normally Closed, NU = Not Used

SIREC D400 - Terminal assignments and power requirements (rear of unit)

More information

Additional information is available in the Internet under:

<http://www.siemens.com/sirec>