

corTalk®

*SPI1-SDL Portable GPS Interrupter
with internal Datalogger*

SPI1 Portable GPS Interrupter

SPI1 Rectifier Mount GPS Interrupter



PIPELINE INTEGRITY PRODUCTS

MOBILTEX



Portable SPI1 - Connector View



Rectifier Mount SPI1 - Front View

corTalk®

GPS Interrupter / Datalogger

SPI1/SDL1

- Pad-lockable case
- Watertight durable plastic enclosure
- Lid pocket for small cables and paperwork
- 4 x 20, backlit high contrast supertwist display
- Interactive and plain English menus provide intuitive operation
- Sealed 20 key polycarbonate membrane style keypad, keys beep when pressed
- Internal rechargeable battery provides up to 7 days of operation
- Optional internal data logger with large capacity memory
- 7 interruption schedules
- Internal 20 Channel GPS Receiver

Based on experience and input from the Pipeline Industry and Cathodic Services users, Mobiltex designed the first corTalk GPS interrupter in 2006. The SPI1 is a powerful interruption controller for use with cathodic protection rectifiers. Precise timing accuracy and repeatability is attained with GPS and microprocessor technology. A small physical size and wide operating temperature make these devices ideally suited for installation with/within field rectifiers.

Features:

- Detailed plain English menus provide easy and intuitive operation
- Bright backlit alphanumeric display provides detailed presentation of all important parameters
- Large dedicated function keys with audible annunciation facilitate accurate data entry
- Color coded bright LED indicators focus the user's attention to important status conditions
- A resolution of 1ms and maximum range of 60,000ms for OFF and Cycle Times provides the user with very fine timing selection
- Excellent timing accuracy is attained with a 20 channel GPS receiver and a temperature compensated high stability crystal Interactive oscillator
- Field programmable parameters allow device customization for use with a wide range of relays
- Can immediately operate in manual mode or be programmed with up to 7 predefined schedules
- Device configuration parameters and schedule are permanently stored in non-volatile memory with auto-resume after a power disruption
- 30° to +70°C (-22° to +158°F) operating temperature range allows use in extreme environments
- Internal AC line synchronization provides rectifier switching at zero primary current conditions
- The front keypad and display are fully sealed and waterproof for maximum reliability
- GPS satellite and internal diagnostic self test routines assure proper operation
- Holds rectifier power on when not interrupting
- Software can be field upgraded using RS-232
- Can include or be upgraded to include a data logger
- Low current solid state components provide maximum reliability
- The portable SPI1 can drive up to 3 external relays for close proximity multi-rectifier interruption

Optional External Relays



50 Amp AC/DC Solid State



8 Amp AC/DC Mechanical



100 Amp DC Solid State



100 Amp AC Solid State

About Mobiltex[®]

Mobiltex Data Ltd., formed in 1985 and headquartered in Calgary, Alberta, Canada engages in the engineering, design and manufacture of high-quality industrial mobile data systems.

All product engineering, electronic design, software development and manufacturing is done in-house. Mobiltex has worked extensively with radio manufacturers, system integrators and third party vendors, as well as the end-user to ensure seamless integration and implementation of systems. Continual product support and ongoing development can be tailored to each system requirement to maintain system integrity and protect against product obsolescence.

Emphasis on long-term reliability, ease of use, and product longevity have assisted Mobiltex to develop a reputation for high quality products in many diverse industries. All products are built to withstand harsh environments and are pretested for guaranteed reliability.

Mobiltex entered the remote cathodic monitoring market in 1991 with our SMC2 interrupter RTU. Over the last 18 years Mobiltex has designed three product generations of remote monitoring equipment. Mobiltex has a complete offering of field proven cathodic devices in our corTalk[®] product line. The RMU2 provides an easy, cost effective method of monitoring rectifiers, test points and bonds. The RMU5 provides monitoring and GPS synchronized interruption with a wide range of communication configurations and significant expansion capabilities. The SPI1 and SDL1 products provide portable and stationary GPS synchronized interruption and data logging functions. A wide array of product accessories and customization services provide a reliable solution that fits the client's requirements.

Mobiltex products are used worldwide in oil and gas, mining, transportation and communications industries.



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MOBILTEX

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