

siteCOMMANDER

—FleetSync™ Ready—



Remote Monitoring, Alarm and Control with Kenwood FleetSync™

The siteCOMMANDER system by TASC Systems is an affordable industrial temperature-rated, robust, low power device that allows effective site monitoring and control in many industrial and commercial applications. The siteCOMMANDER system, when used with Kenwood's FleetSync™ protocol can provide an economical solution for monitoring equipment at your site using Kenwood portable and mobile radios. This combination provides a powerful site monitoring and control solution.

The siteCOMMANDER system can be easily configured to meet the requirements of most applications enabling it to serve in a variety of industries:

- Utilities
- Oil & Gas
- Energy
- Mining
- Forest Services
- Public Safety
- Fresh Water Management
- Waste Water Management
- Transportation
- Agriculture

Benefits to be realized:

- Security & control
- Reduced downtime
- Operations efficiency
- Economical solution
- Low power consumption
- "At source" decision making

FleetSync™ Features

Kenwood portable and mobile radios allow status messages to be 'tagged' with an alphanumeric message. When a tag is selected in the radios LCD and the PTT button is pressed, the command, along with the unique address of the radio, is transmitted to the FleetSync™ radio connected to the siteCOMMANDER. A combination of 'Status' and 'Short Data Messages' allow the siteCOMMANDER to inform users of portable or mobile radio that: a door is open; the power has failed; a voltage is above or below a threshold; and reporting temperatures outside the programmed limits. The message can also be decoded to turn "off" or "on" an output on the siteCOMMANDER.

The siteCOMMANDER may be programmed to send alerts to mobiles in a fleet that an alarm or event has occurred at a site via the FleetSync™ 'broadcast' status function.

The siteCOMMANDER also has a security feature that specifies which mobile ID's have permission to activate or deactivate siteCOMMANDER outputs. The security feature is useful in limiting which users can make changes to the siteCOMMANDER configuration.

Inputs & Outputs

- 8 digital inputs capable of accepting a wide input voltage range (up to 60V) from contact closures, passive switches or solid state switching devices
- 8 analog inputs that can be programmed with upper and lower set points
- 8 temperature inputs when equipped with optional sensors
- 8 open drain output channels capable of switching up to 50V at 150mA each

The siteCOMMANDER in conjunction with siteVIEW Enterprise can monitor many of the critical parameters that make up your system, such as:

- Voltage levels
- Power status
- Intrusion
- Connectivity
- Temperature (when temperature option is installed)
- RSSI

The siteCOMMANDER system is designed to meet the current and future requirements of the wireless industry. The siteCOMMANDER combined with siteVIEW Enterprise will be all you need to monitor your remote site and provide you with the information needed to take appropriate action.

Motherboard	
Power	+11 to +20 VDC
Current Consumption	Maximum 60 mA @ +13.5 VDC
Module Size	175 mm x 75 mm x 16 mm high
Weight	Less than 500 g
Operating Temperature	-40 to +65°C
Digital Inputs	8 contact closures, switches, open collector or Voltage inputs (0 to 60 VDC input) with individual hold timers
Digital Outputs	8 'open drain' FET outputs, voltage switching up to 50 VDC @ 150 mA current sink each. Programmable pulse or latching output
Analog Inputs	8 x 10-bit A/D, 0 to 5 V, 0 to 25 V, 0 to 100 V (external adapter) with individual hold timers and high/low trigger set points per input.
Temperature Monitoring	Up to 8 temperature sensors (option ,see specification below)
Serial Ports	Two RS-232 asynchronous ports
siteCOMMANDER Configuration Utility (SCCU)	
The SCCU is included with the siteCOMMANDER. The utility allows the user to configure the modules' operating parameters from a personal computer running Windows™ 98, 2000 or XP.	
siteVIEW Enterprise Site Monitoring and Control Software	
TASC siteVIEW Enterprise is a fully configurable Windows™ (2000 or XP) based site monitoring and control software package for use with siteCOMMANDER hardware. This optional software package allows the user to graphically view detailed information about each site. siteVIEW Enterprise features simple drag-and-drop configuration, extensive event logging, audible alarm notification, and automatic polling.	
FleetSync™ Capable	
The siteCOMMANDER support of the Kenwood FleetSync™ protocol makes use of both the 'Status Message' and 'Short Data Message' features of FleetSync™ capable radios. Status messages from mobiles or hand portables are used to control and query the siteCOMMANDER. Multiple sites can be controlled from one or several portables or mobiles.	
Radio Compatibility	
All Kenwood radios that support the FleetSync™ protocol version 1 and 2. Radio must be set to work in FleetSync™ version 1.	
Temperature Sensors	
The siteCOMMANDER can support up to a maximum of 8 temperature sensors. Requirements beyond this capacity can be supported by special order.	
Span:	-55 to +125°C
Accuracy:	-25 to +100°C +/- 2 C° max
	-55 to +125°C +/- 3 C°
Connector:	RJ-45 Modular jack
Bus derived power:	2 mA per sensor

TASC Systems Inc. is continuously working to improve system performance and expand product capabilities. Specifications are subject to change without notice. October 2008

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