

SITE MANAGEMENT CONTROLLER

OVERVIEW

Facility automation systems require an economical device that provides alarm capture and dial-out notification to multiple destinations over the inexpensive and ubiquitous Public Standard Telephone Network (PSTN). Reliable and immediate alarm notification allows support staff to know when, where and why a problem has occurred, so they can provide prompt corrective action well before comfort or safety is affected.

The Circon SMC-300 Site Management Controller comes complete with easy to configure alarm management and dial-out software combined with a cost-effective hardware platform that includes an integral modem, real-time clock and LonWorks network interface.

The SMC-300 captures, prioritizes, and queues alarms from devices on a local network, working with open, interoperable LonWorks devices that support the LonMark standard alarm network variable. The SMC-300 then automatically dials-out and routes alarms to local or remote computers or pagers based on user-defined priority, alarm type and schedule.

When dialing-out to a computer running Circon's Visual Integrator 3 Operator Workstation for Facility Management software, SMC-300s provide a reliable, robust, and economical approach for central monitoring of remote sites. And Visual Integrator 3's comprehensive alarm management functions include displaying alarms the moment they are received, logging alarms in history database, and forwarding alarms by email.

To ensure a facility automation system functions without interruption, the SMC-300 can monitor devices on the network and generate an alarm if a failure is detected. And periodic "heartbeat" messages from the SMC-300 assure that it too continues to function.

With its battery-backed hardware clock the SMC-300 is ideally suited as the network's master time source, saving the cost of an additional special purpose device. The SMC-300's network interface allows network management tools such as Circon's Network Integrator 3 software to dial-in and perform site maintenance activities, saving the time and cost of unnecessary service calls.

ORDERING INFORMATION

part number 10-0415



FEATURES AND BENEFITS

- Seamless integration into interoperable LonWorks® networks
- Reliable and timely delivery of alarms to multiple remote computers or pagers over the public standard telephone network. Alarms routed to Circon's Visual Integrator 3 can be further forwarded by email.
- Alarms received, prioritized, and queued and routed to multiple destinations based on user-defined priority, alarm type and schedule
- Continuously monitors networked devices and generates alarm if device fails
- Onboard modem, network interface and battery-backed clock decrease costs and increase flexibility
- Faster, easier to use LNS® plug-ins for configuring alarm prioritization, alarm routing, device monitoring, and scheduling functions, and for viewing device operation
- LonMark® Modem Controller functional profile 5091
- LonMark Real Time Keeper functional profile 3300



SPECIFICATIONS

COMMUNICATIONS

Transceiver	Echelon Free Topology Transceiver (FTT-10A) 78 kbps – local and remote Jumper selectable free or bus topology terminator
Wire type	AWG 22 to AWG 16 stranded (use only twisted pair)
Neuron	3150, 10 MHz
Modem	9.6 kbps internal with RJ-11 jack

POWER SUPPLY

Controller	24 VAC 50–60 Hz, 500 mA or 24 VDC
Fuse	1 A slow-blow

MECHANICAL

Operating temperature	32°F to 122°F (0°C to 50°C)
Relative humidity	5% to 95% RH non-condensing
Weight	1 lb. 8 oz. (694 grams)
Enclosure dimensions	8.3" x 5.6" x 1.5" (210 mm x 142 mm x 38 mm)
Enclosure material	Sheet metal
Wire type	AWG 22 to AWG 16 stranded
Mounting	Two sheet metal screws

AGENCY LISTINGS AND REGULATORY COMPLIANCE

Class II device (when powered by class II supply).

CSA 22.2 #205-M1983, #950-M89

UL 916 certification for Energy Management Equipment.

Part 15, Class A of FCC rules for Radio Frequency Devices.

Part 68 of FCC rules for Radio Frequency Devices.

This Class A digital apparatus meets the requirements of the Canadian Interference-Causing Equipment Regulations.

This device is certified to meet CS-03, Issue 7 of the Industry Canada Terminal Attachment Program, Load Number 5

LonMark 3.3 certified, LonMark functional profiles: 5091, 3300

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