May Not Be Exactly As Shown

# SCF In2it SERIES
## System Control Frame

## FEATURES and BENEFITS

- SCF controller continually monitors hardware, providing real time diagnostic status and eliminating the need for staged system wide testing
- Remote management and diagnostics supported
- Has integrated standardized Main Distribution Frame
- System rack has integrated monitored cooling system
- Real time measurement of internal rack at 5 strategic points
- Supports A+B & N+1 Automated Redundancy for all modules
- Can be linked to additional sub-stations via hardwire or by incorporating fiber optic cabling for ultra large systems or on-shore / off-shore applications
- Supports all Guardian Telecom In2iT modules as required for the following:
  - Alarm interface monitor
  - Inter-communications and paging zone management
  - Central paging amplifiers with N+1 management hardware
  - Dial in remote communications
  - UPS power management
- Includes operator access panel license*
- System operates independently of console for security and reliability
- Supports legacy page/talk or page/party wiring infrastructure**
- Can be supplied in both closed frame and open frame standard racks
- Wide range power input: 90VAC – 250VAC

*Refer to Guardian datasheet on Operator Access Panel feature and benefits.
**Contact Guardian for review and compatibility of existing wiring.*

## In2iT RANGE

The In2iT Range is Guardian Telecom's next generation In-Plant Communications platform with the latest technology and easy to use, rugged communication equipment to solve In-Plant Paging concerns while maximizing integration options and easing implementation costs.

## SCF In2iT SERIES

The System Control Frame (SCF) is the heart of Guardian Telecom's In2iT In-Plant Communications Platform.

Working in conjunction with the Operator Access Panel, the SCF manages and routes all audio and data signals between the end points and users. It operates autonomously or in conjunction with other SCF sub-stations. Designed for future expandability, with ongoing support and reliability.

The SCF is flexible and incorporates all the required modules as needed for each custom application. A standardized distribution frame is incorporated for consistent and reliable connections to the facility cabling architecture.

## APPLICATIONS

The In2iT system is designed to provide in plant communications, paging and alarm monitoring in harsh environments that are subject to moisture, dust and corrosive chemicals such as:
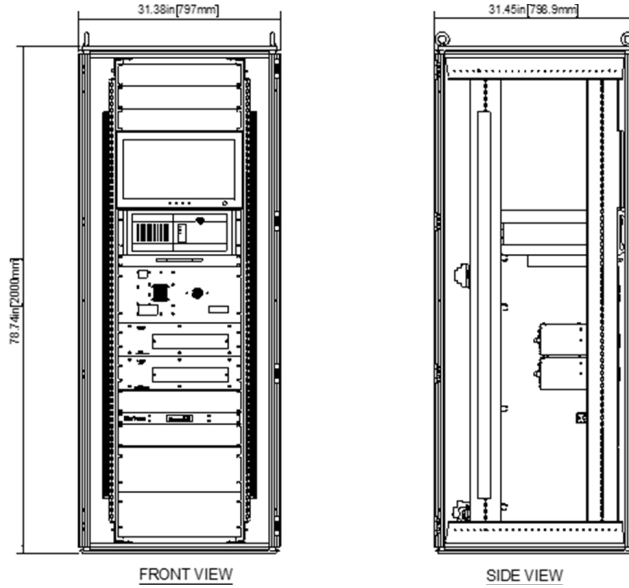
| | |
|---|---|
| Mines | Grain Processing and Similar Industries |
| Chemical Plants | Power Generation Facilities |
| Refineries | Fertilizer Plants |
| Drilling Rigs | Food Processing Plants |
| Defense Installations | Sewage Plants |
| Cement Plants | Construction Sites |
| Bulk Loading Stations | Breweries & Distilleries |
| Pulp & Paper Mills | Pharmaceutical Plants |
| | and more . . . |

GUARDIAN TELECOM
tough. trusted. true.

MADE IN CANADA · FABRIQUE AU CANADA

31.38in[797mm]  31.45in[798.9mm]

78.74in[2000mm]

FRONT VIEW  SIDE VIEW

**SCF - In2iT SERIES System Control Frame**

## ENGINEERING SPECIFICATIONS

### ELECTRICAL REQUIREMENTS

| | |
|---|---|
| Input Voltage: | 90VAC – 250VAC; 50/60 Hz |
| Current (Nominal): | Typical 5A Supply (See Note 1) |
| Current (In-Rush): | (See Note 2) |
| Circuit Breakers: | Supplied to meet local Electrical Codes for installation point |

### MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Typical Cabinet Size: | 8.7" [2000mm] x 31.49" [800mm] x 31.49" [800mm] |
| Material: | Carbon Steel, Dip Coat Primed and Powder Coated |
| Weight: | Final weights and DIMs determined by configuration |
| Color: | RAL-7035 standard |
| Cooling: | Integrated Fans w/monitoring available |

### ENVIRONMENTAL

| | |
|---|---|
| Temperature: | -40F to +158F [-40F to +70C] |
| Humidity: | 0 - 95% RH |

### REGULATORY COMPLIANCE

| | |
|---|---|
| Safety: | 60950 |
| Enclosure Ingress Protection: | NEMA 12 |
| IK Code (applies to non-glass surfaces): | IK09 |

*Notes:*
*1. System current is dependent on final configuration of Modules...Does not include endpoints.*
*2. In-rush current is a factor of system configuration and quantities of end points.*
*3. All systems are factory inspected to meet local codes for point of installation*

### ORDERING INFORMATION          Warranty: Five year parts and labor

| Order No. | Description |
|---|---|
| P9049 | In2iT Primary Cabinet (Includes System Control Frame) |

*Distributed by:*

Guardian pursues a policy of continuous improvement, therefore specifications are subject to change without notice.          SCF In2iT SERIES V6 03APR24