FIRECOMTM *Technology Protecting Life*[®]

PCRA-1 Color Graphic System

Features

- Industrial Grade PC
- Desktop 17" Display
- 19" Rack Mount Option
- Touch Screen or Mouse/Pointing Device Operated
- Integrated CPU with 17" High Resolution Color Monitor
- Dual-Core Intel 1.6GHz/3Gig RAM/120Gb SSD
- Desktop Industrial Keyboard/Pointing Device
- DC Powered with Battery Backup
- Graphic Display of System Conditions
- Event Display by Color
- Icons Overlaid on CAD Drawings
- Zoom Function Capability
- Complete History Log with Report Generation
- Password Protection



PCRA-1 Color Graphic System Rack Mounted 17" Industrial PC

Description

The Firecom CGS-7 Color Graphic System is an interactive computer graphic display system designed especially for the life safety industry. The system provides a graphic display of system conditions.

The system receives status information from the LSN-2000 communication network. It collects information from each of the networked nodes of the system. This ensures PCRA-1 operation even if the Fire Com-



mand Station is disabled.

The PCRA-1 features an industrial grade PC with a high reliability power supply. A high resolution color 17" touch screen monitor for efficient, fast operation and an optional industrial keyboard that is ideal for wet, dirty and harsh environments is available where a standard PC keyboard won't survive.

All system operations are accomplished through large touch screen graphic switches.

The functions of the graphic switches are controlled through the operating system. De-

pending upon the status of the life safety system, these switches provide a simple man/machine interface, simple enough for an operator to use in a panic or emergency situation.







FIRECOMINC.COM

Operation

During normal operation of the system, a building plan graphic is displayed on the screen. Additionally, the following information is displayed: Date; Time; Devices in Alarm; Devices in Trouble; and Operator's Name. When an alarm occurs the floor plan is automatically displayed on screen with alarm device flashing red.



All system operations are accomplished through large touch screen graphic switches.

The functions of the graphic switches are controlled through the PCRA-1 operational software. Depending upon the status of the life safety system, these switches provide a simple man/machine interface, suited for an operator to use in a panic or emergency situation. Device status is displayed in a list.

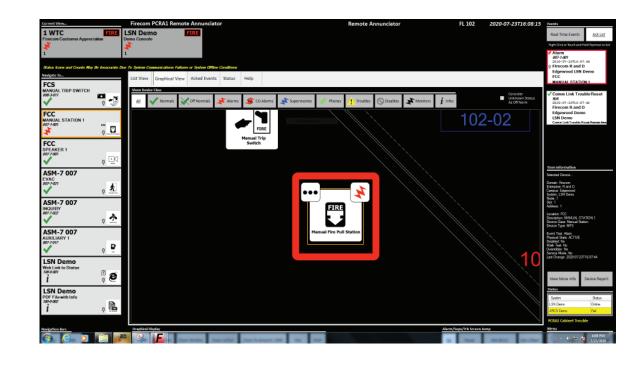
WTC Transit Hub Summary View of WTC Hub										Real-Time Events Ack List		
avigate lo.,	List View G	raphical View	Acked Events	Statu	is Help							
Ground Level itreet Level (19)	Show Device Cla	ns/Status List	Off Normals	🗲 Ala	rms 🏂 CD Al	arms 📌 Supervisories	Phones	! Troubles O Disables X Monitors 1 Infos	Consider Unknown Status As Off Norm			
Jpper Transit Hall ransit Hall Upper Level (17)	Campus	System	Address	State	Event Text	Last Change	Location	Description	Class .			
ransit riali Opper Level (17)	WTC	HUB	033-4-100	1	Alarm Reset	2016-03-18T16:02:52	LEVEL 296	HTD ESC#23 TOP PIT	Smoke Detector			
ransit Hall	WTC	нив	042-2-112	1	Alarm Reset	2016-03-18T16:02:52	LEVEL 274	HTD ELEV #17 BOTTOM PIT HEAT	Smoke Detector			
ansit Hall Level (15)	WTC	HUB	042-2-113	~	Alarm Reset	2016-03-18T16:02:52	LEVEL 274	HTD ELEV #16 BOTTOM PIT HEAT	Smoke Detector			
	WTC	нив	042-2-114	~	Alarm Reset	2016-03-18T16:02:52	LEVEL 274	HTD ESCALATOR #25 BOTTOM PIT	Smoke Detector			
	WTC	нив	042-2-116	~	Alarm Reset	2016-03-18T16:02:52	LEVEL 274	HTD ESCALATOR #27 BOTTOM PIT	Smoke Detector	item information		
	WTC	нив	042-2-117	~	Alarm Reset	2016-03-18T16:02:52	LEVEL 274	HTD ESCALATOR #28 BOTTOM PIT	Smoke Detector	Selected Region Location: WTC Transit Hub Description: Summary Vew of WTC Hub Aloms: 0		
	WTC	нив	081-2-027	~	Alarm Reset	2016-03-18T16:02:52	LEVEL 274	DSD FAN AC-20	Smoke Detector			
	WTC	HUB	081-2-044	~	Alarm Reset	2016-03-18T16:02:52	LEVEL 274	ASD ELECTRIC CLOSET TH-032	Smoke Detector	Supervisories: 0 Phones: 0 Troubles: 0		
	WTC	нив	081-2-049	~	Alarm Reset	2016-03-18T16:02:52	LEVEL 274	WFD INSIDE OF STAIR BD TH034	Waterflow Switch	Disables: 0 Montors: 0		
	WTC	HUB	081-2-050	~	Open	2016-03-18T16:02:52	LEVEL 274	GVS INSIDE OF STAIR BD TH034	Tamper Switch			
	WTC	нив	081-2-054	~	Alarm Reset	2016-03-18716:02:52	LEVEL 274	ASD RETURN AIR SHAFT	Smoke Detector			
	WTC	нив	081-2-055	~	Alarm Reset	2016-03-18T16:02:52	LEVEL 274	ASD A/C ROOM TH-029	Smoke Detector			
	WTC	нив	081-2-056	~	Alarm Reset	2016-03-18T16:02:52	LEVEL 274	ASD FA CLOSET TH-031	Smoke Detector			
	WTC	нив	081-2-100	~	Alarm Reset	2016-03-18T16:02:52	LEVEL 296	HTD ESCALATOR #50 TOP PIT	Smoke Detector			
	WTC	нив	081-2-102	~	Alarm Reset	2016-03-18T16:02:52	LEVEL 296	HTD ESCALATOR #52 BOTTOM PIT	Smoke Detector	Device Report		
	WTC	нив	081-2-103	~	Alarm Reset	2016-03-18T16:02:52	LEVEL 296	HTD ESCALATOR #51 BOTTOM PIT	Smoke Detector	System Status		
	Hide Columns				_	_		Sort Rows By		HUB Online		
	Domain E	nterprise Cam	pus System	Phys	ical State Disat	ale		Address Location Description	Event Text Class Time	PCRA1 Cabinet OK		
igation Bars	List Display							Alarm/Supe/Trb Screen Ju	mp	Menu		

FIRECOM[™], INC. 39-27 59th Street Woodside, NY 11377 718.899.6100 TEL 718.899.1932 FAX



Operation

When a device goes into the alarm state, the map is automatically panned and zoomed to allow the operator to examine where the event occurred.



Additionally, device history can easily be selected and displayed. This allows trends to be analyzed.

Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Referenc	WTC irecom Customer Appreciation	LSN Demo Demo Console											Real-Time Events	
And read and real to be account on a forward on a data of the account of the a			Freedom Inc. (SN)	2000 Addressable A	lature Interface Front	Log Benorter () 1	461			 × _ `				
SMP-7 007		Due To System Communications Failures or	and the second s						_					
CC Bit Roy Bit Roy RANAL TREP SWITCH Bit Roy RANAL TREP SWITCH	wigate To	List View Graphical View A		e.					Ret	resh Selection Lists				
AND ALL TRUE DEVICES AND ALL T	CS								Select All That	Apply (Right Click				
CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC <	ANUAL TRIP SWITCH	Show Device Class			 Select by 				or Touch and	Hold to MultiSelect)		A	1 1	
CC NAME NAME </td <td></td> <td></td> <td>Today</td> <td>This Month</td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td>-</td> <td></td> <td>Unknown Status</td> <td></td> <td></td>			Today	This Month			•			-		Unknown Status		
CC NALA STATION 1 NALA STATION 1 <td></td> <td>Al Vormais X 9</td> <td>Last 24 Hrs</td> <td>Last Month</td> <td>Node Slot Address</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>As Off Norm</td> <td>1 1</td> <td></td>		Al Vormais X 9	Last 24 Hrs	Last Month	Node Slot Address							As Off Norm	1 1	
NAMAL STATION 1 CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC				(1	Select By		E Hide							
Alter in Construction of the construction o			Testerclay	Last 6 Norths	007-1-001		-		ERVISION_TROUBLE					
CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC <t< td=""><td></td><td></td><td>Last 3 Days</td><td>This Year</td><td>Description</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>			Last 3 Days	This Year	Description									
CCC FACE 1 Noted of the transform Noted of the transform SNLAT 007 Noted of the transform Noted of			Last 70mm	Last Yes			100 104							
SM-7 007 SM-7	V and the													
FARER 1 Image: Data 12, Data 22, Da	cc						-			STORE				
SM-7 007 SM-7	PEAKER 1			00:00:00 🗍 🖛									1 1	
SM-7 007 According State for Here Gene According State for Here SM-7 007 Construction Gene According Gene Accordin Gene According	P-7-001				Select By		🛄 Hide						1 1	
SM-7 007 Sale fly No Sale fly	Q 120		Mon. Jul 20, 2020	53.08.09 UV				No Categories Selected	Car	Category Selection			Item information	
SM-7 007 SM-7 0	CH 7 007		Domain		Enterprise		Campus		System	_				
SAVET Image: I			Select By	E Hide	Select By	E Hde		E Hde	Select By	🖂 Hde				
Orginal	7-7-021		Firecom	-	R and D	-	Canous		LSN Deno				Enterprise: B and D	
SM-2 7007 OURY OURY OURY SMA SMA SMA SMA SMA SMA SMA SMA	/ <u> </u>												Campus: Edgewood Senters: I SN Dana	
SM-7 007 CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY CAUTY	V LIJE G			E7 844		177 144		FT 844		FT 844			Node: 7	
SM-27 007 Image: SM-27 007			- seeco by		C See A		- seeco by		C Seed by				SIGC 1 Address: 1	
SM-7 007 SM-7 007 SM Demo Sectify "Image Scanse (Parked) SM Demo Sectify Times (Parked) Sectify Times (Parked) Sectify Times (Parked) Sectify Times (Parked) Sectify Times (Parked) Sectify Times (Parked) Sectify Times (Parked) SM Demo Sectify Times (Parked)<				•		•		•		-			Location FCC	
SM-7 007 Image: See by image	/ Ó												Description: MANUAL S	TATION 1
XXII.1471*1 Pages loces (Prine) Advanduded XXII.1471*1 Image: State Stat	Q		C Select By	🖂 Hde	Select By	🖳 Hde	Select By	🖂 Hde	C Select By	🖂 Hide			Device Type: MPS	
DRULARY 1 Pages loce / Press A carevolugad SND error Sec lb / SND error <td>SM-7 007</td> <td></td> <td>[</td> <td>•</td> <td></td> <td>-</td> <td></td> <td>•</td> <td>[</td> <td>•</td> <td></td> <td></td> <td>Event Text: Alam Rese</td> <td></td>	SM-7 007		[•		-		•	[•			Event Text: Alam Rese	
Control	UXILIARY 1		Program Source (Pipe	(ins)			Acknowledged							4
NDemo Index of Status Index of	7-7-017					E Hde		🖂 Hde	Sout Research Re-				Well: Test: No.	
SN Demo provide Nuclear d Events in Database 17113 Nuples Cere d in Database 2223 Devide d Events in Database 2233 Devide d Events in Database 2233 Devide d Events in D			FCRND029-PC Vand	041\Feecom PCRA1		•	_			-			Service Mode: No.	
he last is blaue performed in blaue performe	· · · · · · · · · · · · · · · · · · ·						-						Last Change: 2020-07-2	20115/01:40
Operating Image: Second And Examples and Second														
Image: Ship Demono prove Image: Search And Report Over Report Name Image: Search And Report Image: Search And Repor													March 1999	Desiles Desire
SN Demo D F rie militaria Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterization Caracterizat	i 20		Linit Results to N	tax of: 10000	Delete Ev	ent Records	Search Ar	d Export Search i	And Report C	lose Report Utility			View More Into	Device Report
Optimized Image: Complex State of the st	· · ·		About										Status	
Op/Arr Signer Index	SN Demo												Seten	3844
All Calers ful FACI Colored Houles Capitol Brain Colored Houles														
Applie Ins Optimized Control C													ARCS Demo	Fal
Carlos los Carphal Hajar Meta	¢ -													
		L												uble
	Agation Bars	Graphical Display								Alarm/Supy/1	rb Screen Jump		Menu	
			_	-									 40 at 	
														1/20/2020

FIRECOM™, INC. 39-27 59th Street Woodside, NY 11377 718.899.6100 TEL 718.899.1932 FAX

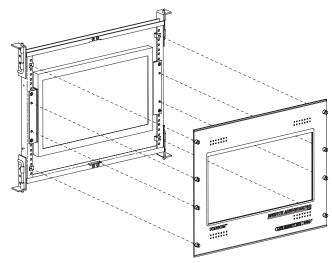


Engineering Specifications

The PCRA-1 software runs on an industrial grade PC with a high reliability power supply. It will be DC powered from the system's power supply which includes an integral battery backup power source. A high-resolution 17" LCD touch screen monitor allows efficient, fast operation and is integrated with the CPU enclosure, eliminating the need for a separate device to be installed. An optional industrial keyboard is ideal for wet, dirty and harsh environments where a standard PC keyboard won't survive. The PCRA-1 system can be ordered in two primary formats: a 19-inch rack mounted configuration or a pedestal-based desktop configuration.



76637 All-In-One 17" Industrial PC Connections



76637 All-In-One 17" Industrial PC With DIS-17 Faceplate

Ordering Information

Model No. Pa	rt No.	Description
PCRA-1-17R	75846	Rack Mounted 17" Industrial PC with PCRA-1 Installed
PCRA-1-17D	75847	Desktop 17" Industrial PC with PCRA-1 Installed
PCIO-8	75849	PC Interface (includes USB Cable)
	72508	Rack Mounted Keyboard with Mouse, Industrial
	72509	Desktop Keyboard with Mouse, Industrial

It is our intention to keep the product information up to date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information contact: FIRECOM, INC.

FIRECOM[™], INC. 39-27 59th Street Woodside, NY 11377 718.899.6100 TEL 718.899.1932 FAX

