

DVD CONTENTS

Server : Installs Server and Client on one PC only (Setup.exe)
Communications Modules : USB Drivers and utilities (LIF-200, etc.)
Documents : All manuals in PDF format
Client : Installs Client (Setup.exe)
Firmware : Various firmware files
Update : Service packs (if needed)
Adobe Acrobat Reader Included on DVD

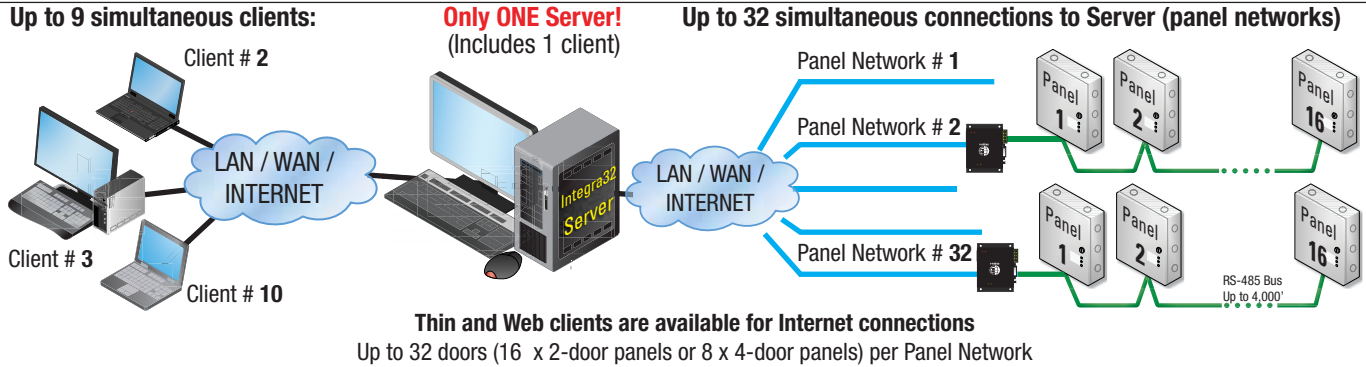


License : Feature Key
Web : Web Server Installer
DVR : Integration Packs
Fingerprint : Integration Packs

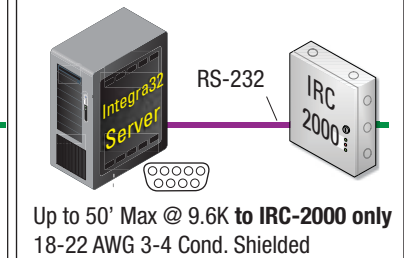
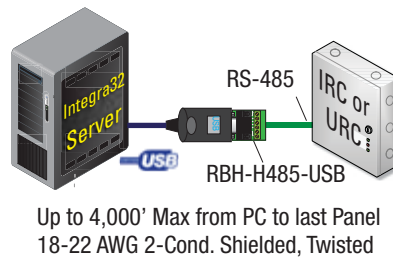
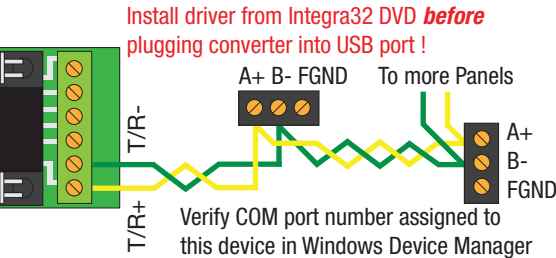
Processor : Intel Core 2 Duo or better
Memory : 1-2 GB depending on OS
Storage : 20 GB, or more if needed
DVD-ROM, Ethernet Port, USB ports
Operating System : Windows
Editions : Pro, Business, Ultimate
32 Bit : XP SP3, Vista, 7, 8, Server 2003, 2008
64 Bit : 7, 8, Server 2008

PC SPEC

OVERVIEW

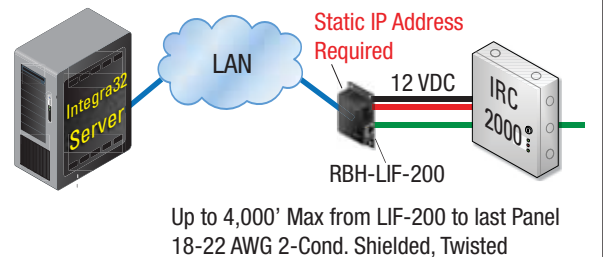
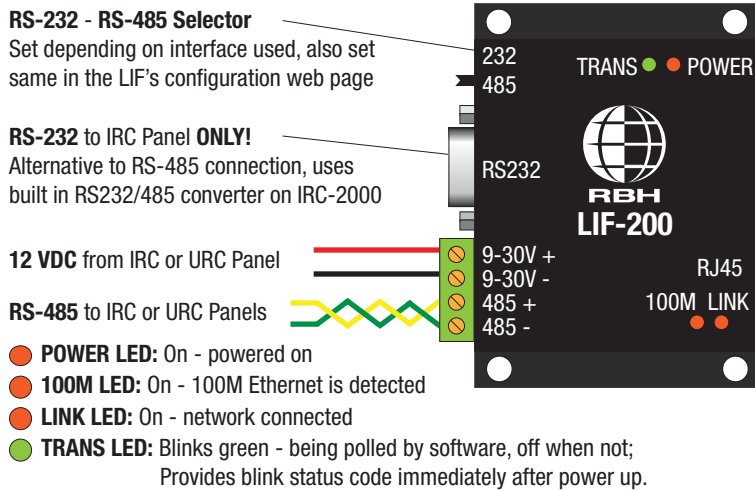


USB TO RS-485



RS-232 SERIAL

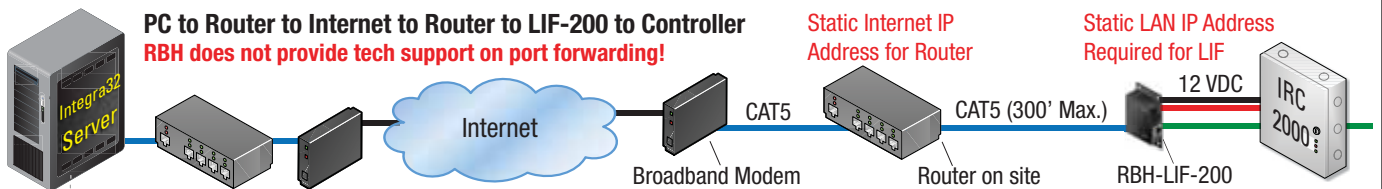
ETHERNET LAN GATEWAY - LIF-200



- A. LIF-200 and PC are on the same subnet:**
 LIF : XXX.XXX.ZZZ.AAA PC : XXX.XXX.ZZZ.BBB
 To configure LIF-200 type in it's address into web browser.
- B. LIF -200 and PC are on the same net, different subnets:**
 LIF : XXX.XXX.ZZZ.AAA PC : XXX.XXX.YYY.BBB
 Use IPLocator to detect LIF-200 and change it's IP address, go to **A**
- C. LIF-200 and PC are on different nets and/or subnets:**
 Manually set your PCs IP address to match net/subnet of the LIF-200, go to **A** to configure LIF-200

Refer to LIF-200 manual for default password and reset procedures
 Default IP address : 192.168.168.125 Default IP port : 3002

INTERNET

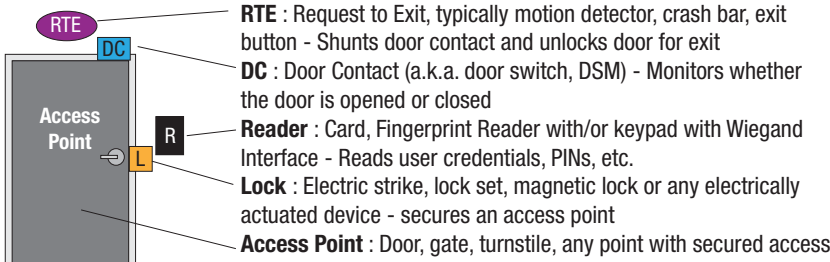


Port Forwarding - Configure Router to forward designated IP port on Internet IP address (as entered in Integra32) to a port on Local Network (LIF-200).
 Example: In Integra32 software set 5.6.23.7 port 75. On remote router forward remote site port 75 on 5.6.23.7 to LIF-200 on port 3002 on 192.168.1.125

TIP: Use Windows built-in Telnet client to test communications with LIF-200 (you may need to enable it first in Windows Vista, 7,8)

This test verifies possibility of a successful connection from Integra32 Server PC to LIF-200: it checks if IP address exists and whether LIF is using right port. Example: at command prompt on Integra32 Server PC type in: telnet <LIF-200 IP address> <IP port to use> (c:\telnet 192.168.1.125 3002) hit "Enter". If all is OK you will see blank screen with blinking cursor and "Trans" light on LIF will light up, if this does not happen contact IT staff for troubleshooting.

ACCESS POINTS



RTE Installed	DC Installed	Lock by timer	Lock on door close	Door Forced	Door Held Open
Yes	Yes	Yes	Yes	Yes	Yes
No	Yes	Yes	Yes	No*	Yes
No	No	Yes	No	No	No

* Will activate every time door is opened to exit, you can turn "Disable Door Forced Open" feature on

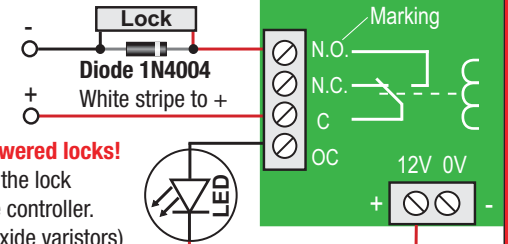
OUTPUTS

Relay Outputs (Marked #N.O./#N.C./#C): Maximum rating 5A @ 30V, Dry, Form "C" relay
Voltage Outputs (Marked #OC) : 100mA, -12VDC, for solid state devices only (LED, Piezo, etc.)

"ON State" Setting	Operation Type	"Output Off" Relay is:	"Output On" Relay is:	N.O. Mark	N.C. Mark
Energized	Fail-Secure	Off	On	N.O.	N.C.
De-energized	Fail-Safe	On	Off	N.C.*	N.O.*

* Functionality of relay polls will be reversed vs. printed marking

INSTALL DIODE on DC powered locks!
1N4004 Diode installed at the lock will prevent damage to the controller. Please, use MOVs (metal oxide varistors) for AC powered locks.



NO LOCKS! on OC outputs

INPUTS

Circuit Type:	Normally Closed	Normally Open	N. C. 1 Resistor	N. O. 1 Resistor	N. C. 2 Resistors	N. O. 2 Resistors	N. C. & N.O. 1 Resistor
Open	Alarm	Restore	Alarm	Trouble	Trouble	Trouble	Trouble
Short	Restore	Alarm	Trouble	Alarm	Trouble	Trouble	Alarm
1K	N/A	N/A	Restore	Restore	Restore	Alarm	Restore
2K	N/A	N/A	N/A	N/A	Alarm	Restore	N/A
Circuit State							

Supervision type	Detects state changes:	Supervised secure	Supervised in alarm
None	Yes	No	No.
1 Resistor	Yes	Yes	No
2 Resistor	Yes	Yes	Yes

= **1K Resistor** Color code: Brown Black Red / Gold: 5% tolerance

RTE : to keep door unlocked we need re-triggering of RTE input (Each trigger extends unlock timer)

DC : N.O. sensors are wired in parallel, N.C. sensors in series

Wiring : Up tp 1,000' on 18-22 AWG 2-Cond. cable

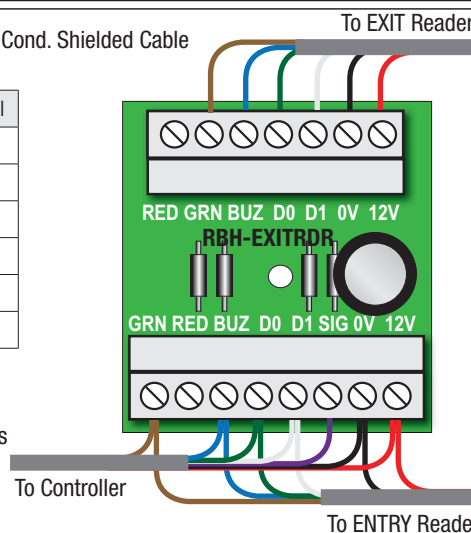
READERS

Wiring : Up to 500' Max from Reader to Panel on 18 AWG 6-Cond. Shielded Cable

Function	RBH	HID	AWID	Terminal
LED	Brown	Orange	Brown	GRN
Buzzer	Blue	Yellow	Yellow	BUZ
Data 0	Green	Green	Green	D0
Data 1	White	White	White	D1
Ground	Black	Black	Black	0V
Power	Red	Red	Red	12V

See reader manual for actual color codes!

EXITDR : This module allows reporting of direction on doors with readers installed on both sides, while using a single reader port on the controller (RBH reader wiring shown)



Reader LED	Status
Red	Locked
Green	Unlocked
Blinking	"High Security" mode

Reader Sounder	Event
Long Beep	Access Granted
Two short Beeps	Access Denied
Four Beeps	Mode Changed
Beeping	DHO Warning or PIN request
Continuously On	Door Forced or Door Held Open Alarm

SUPPORT



For Support Call :
905-790-1515

Web site : www.rbh-access.com
 E-mail : support@rbh-access.com

Complete database is stored on the Server PC, cards and settings are transferred to the panel during the download. Panel retains this data and operates independently, sending events to Server and receiving commands from it. It is not possible to "upload" hardware configuration or card database from the panel. **Please configure Integra32 Server's built in backup function to preserve your data in case of PC failure!**

NOTES