



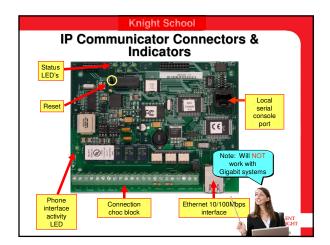
## UL and NFPA References The IP Communicator meets all requirements for a single communication line (no redundant communications required) under the 2002 edition of NFPA 72, section 8.5.4 and section 8.6.4 under the 2007 edition The following part of section 8.5.4 (from the 2002 edition) refers to Communication Integrity Each section describes how the IP Communicator meets or exceeds the requirement Note that although the numbered subsections have been incremented in the 2007 edition, the content has not changed

## UL and NFPA References 3.5.4.4.1 Any failure shall be annunciated at the supervising station within 5 minutes of the failure • The IP Communicator will do this within 90 seconds or less 5.5.4.4.2 If communications cannot be established with the supervising station, an indication of this failure to communicate shall be annunciated at the protected premises • The panel will go into "Trouble" in less than a minute indicating loss of IP connectivity 8.5.4.4.3 If a portion of the communications path cannot be monitored for integrity, a redundant communications path shall be provided • The communications path is supervised every 90 seconds for integrity therefore there is no need for a redundant communications path

## Knight School **UL and NFPA References** 8.5.4.4.4 Provision shall be made to monitor the integrity of the redundant communications path There is no need for a redundant communications path per 8.5.4.4.3. ■ 8.5.4.4.5 Failure of both the primary and redundant communications paths shall be annunciated at the supervising station within not more than 24 hours of the Failure of the communications path is annunciated at the supervising station within 90 seconds

failure

## Knight School **UL and NFPA References** 3 8.5.4.4.6 System units at the supervising station shall be restored to service within 30 minutes of a failure A hot backup receiver is specified for the Central Station but any receiver can be restored via smartcard within 30 seconds 8.5.4.4.7 The transmission technology shall be designed so that upon failure of a transmission channel serving a system unit at the supervising station, the loss of the ability to monitor shall not affect more than 3000 transmitters ◆ The Central Station receiver will monitor up to 3,000 units maximum SILENT KNIGHT



IP Communicator LED Indicators			
LED	LED#	On	Off
On	LD1	IP Communicator is powered up	IP Communicator is not powered up
Α	LD2	UDP poll frame sent to the VALM	VALM acknowledged the poll frame
В	LD3	The alarm panel picks up the phone line	The alarm panel hangs up the phone
С	LD4	IP alarm sent	IP arm ack. received
D	LD5	Management call to the alarm panel established	Normal operation
	LD6	The IPDACT intercepted the phone line	The phone line relays are inactive

