

ANSI/UL 864

Fire Protective Signaling Systems using Internet/Intranet/Cell Networks

A Performance Based Technologies system as defined in UL 864 10th Edition may be configured as the following:

Network Primary and Cellular Backup Programming

| Network Programming | Cellular Programming |
|---------------------|----------------------|
| Comm Type = NET | Comm Type = CELL |
| Checkin Min = 238 | Checkin Min = 238 |
| Failtime Min = 240 | Failtime Min = 240 |

Cellular Primary with no Backup

| Path 1 Programming | |
|---------------------|-------------------|
| Comm Type = CELL | Checkin Min = 58 |
| Path Type = Primary | Failtime Min = 60 |
| Test Rpt = No | Checkin = Yes |

Network Primary with no Backup

| Path 1 Programming | |
|---------------------|-------------------|
| Comm Type = NET | Checkin Min = 58 |
| Path Type = Primary | Failtime Min = 60 |
| Test Rpt = No | Checkin = Yes |

Model 685-R Backbox Installation

For Commercial Fire applications using DualComNF and the included red plastic Model 685-R backbox, mount the backbox to the wall with the 1" #6 screws included with the fire communicator. Mount the fire communicator to the backbox with the 1/2" #6 screws. See Figure 2. Locate the fire communicator within 20 feet of the control panel and route all wire in conduit.

Refer to the DualCom Series Programming and Installation Guide (LT-1859) for communication test procedure.

Cellular Communication Failure Test Procedure

For commercial fire systems, the following test procedure can be used to demonstrate local annunciation of a communication path failure where required by the AHJ.

1. Connect the communicator to the FACP as shown in Figure 1 and program the communicator according to the tables above.
2. Program the appropriate settings for the central station receiver and allow the communicator to check in with the receiver.
3. Enter the programming menu and change the receiver port number to an invalid (closed) port.
4. Exit programming and allow the communicator to resume operation.
5. The communicator will unsuccessfully attempt to communicate and then drop the voltage on the second tip and ring terminals which will cause the FACP to annunciate a phone line trouble.
6. After successfully demonstrating local annunciation, return to the programming menu and change the receiver port back to the correct (open) port to verify communication.

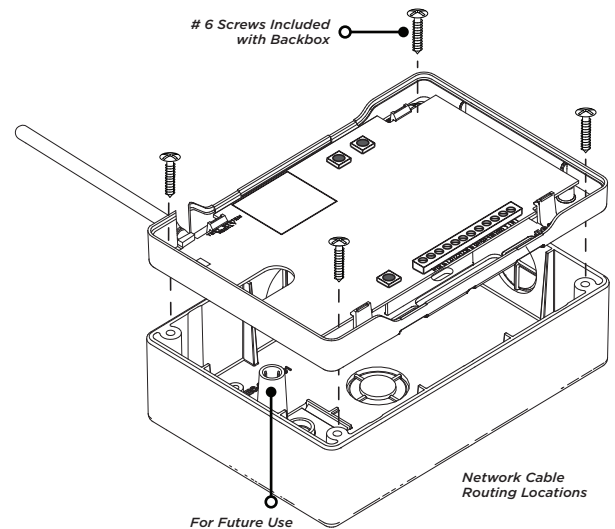


Figure 2: Model 685-R Backbox Installation

NEW YORK CITY (FDNY) SPECIFICATIONS

Introduction

The programming specifications contained in this section must be completed when installing CellCom Series Communicators for New York City (FDNY) fire alarm IP communication applications. Refer to the FDNY Certificate of Approval #6262 for the complete conditions of approval.

Network and Cellular Communication, Primary and Secondary

When installed as a central station Internet (Network) communicator or slave transmitter, both primary and secondary channels of communication shall be required and shall meet the conditions below. Network communication shall be used as the primary channel of communication to the Central Station and a Cellular Communicator shall be used as the secondary channel of communication or in reverse order: Cellular Communicator as the primary channel and Network connection as the secondary channel.

Network Primary And Cellular Backup Programming

| NETWORK PROGRAMMING | CELLULAR PROGRAMMING |
|----------------------------|-----------------------------|
| Comm Type = NET | Comm Type = CELL |
| Checkin Min = 5 | Checkin Min = 5 |
| Failtime Min = 5 | Failtime Min = 5 |
| Test Rpt = Yes | Test Rpt = Yes |
| Test Freq = 1 Dy | Test Freq = 1 Dy |

Cellular Primary and Network Backup Programming

| CELLULAR PROGRAMMING | NETWORK PROGRAMMING |
|-----------------------------|----------------------------|
| Comm Type = CELL | Comm Type = NET |
| Checkin Min = 5 | Checkin Min = 5 |
| Failtime Min = 5 | Failtime Min = 5 |
| Test Rpt = Yes | Test Rpt = Yes |
| Test Freq = 1 Dy | Test Freq = 1 Dy |

DUALCOM SERIES UNIVERSAL ALARM COMMUNICATOR

Specifications

| | |
|------------------------|-----------------------------------|
| Primary Power | Nominal 12 - 24 VDC |
| Current Draw at 12 VDC | |
| Standby | 75 mA |
| Alarm | 95 mA Peak Cellular Communication |
| Current Draw at 24 VDC | |
| Standby | 45 mA |
| Alarm | 85 mA Peak Cellular Communication |

Dimensions and Color

DualComNF

| | |
|--------------------|----------------------|
| Housing Dimensions | 5.5"W x 3.75"L x 1"H |
| Housing Color | Red |

DualComN

| | |
|--------------------|----------------------|
| Housing Dimensions | 5.5"W x 3.75"L x 1"H |
| Housing Color | White |

Certifications

Cellular

FCC Part 15: XMR201707BG96
IC: 10224A-201709BG96

Underwriters Laboratories (UL) Listed

DualComNF

New York City (FDNY COA#6262)
Underwriters Laboratory (UL) Listed
ANSI/UL 864 Fire Protective Signaling Systems
(CID Capture)

DualComN

ANSI/UL 1610 Central Station Burglar



Designed, engineered,
and manufactured in
Springfield, Missouri using U.S.
and global components.
LT-1899 20163 1.01

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