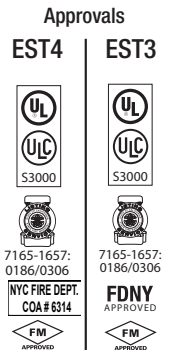
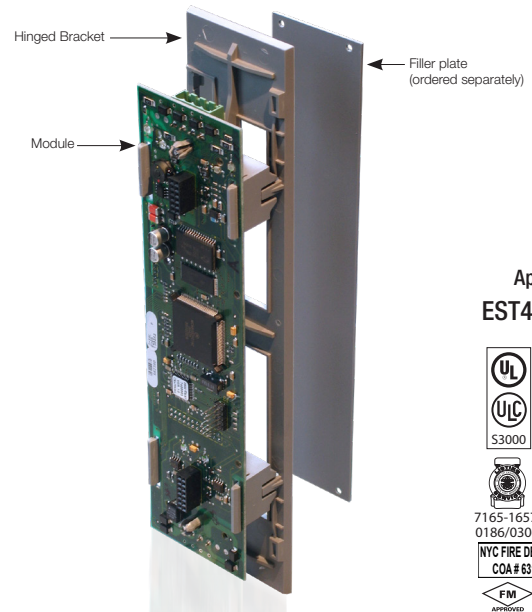




LIFE SAFETY & INCIDENT MANAGEMENT

Modem Communicator

3-MODCOM, 3-MODCOMP



Overview

The Modem Communicator is a two-way local rail module that performs a variety of off-premise communications functions for the system.

Using the latest in digital signal processing (DSP) techniques, the Modcom provides off premise communication features unavailable on any other system.

The module has provisions for supervising two loop-start telephone lines. The module features a modular jack for telephone line connections. The Modcom's configuration and firmware can also be updated from any network node.

Modcom series modules occupy a single local rail space and can be mounted in any panel on the network. Most system Control/Display modules can be mounted in front of the Modcom series module. Power for the Modcom is supplied by the system power supply.

The Modcom provides an enhanced level of survivability in the event of a network CPU failure by notifying the Central Monitoring Station of the failure and entering a degraded mode of operation. In degraded mode, the Modcom can transmit a default fire alarm message during a fire alarm condition.

Standard Features

- Listed for fire and security
- V.32bis 14.4K full duplex modem
- Digital alarm communicator transmitter supporting: SIA DCS protocol, Contact ID protocol, 3/1 and 4/2 pulse format protocol
- Supports "tap" alphanumeric pager protocol
- Fully programmable messages
- Alarm override of upload/download
- Two phone line capability
- Field upgradable firmware
- Split and multiple reporting to as many as 80 different receivers
- 255 subscriber accounts
- Supports control/display modules
- Supervised by the network controller
- Supports Cellular communications

Specifications

Installation	Takes up one LRM space in 3-CHAS7	
Input Power	24 Vdc @ 60mA standby, 95 mA active	
Modem Protocol	ITU - V.32bis 14.4K baud full duplex using standard PC modem compatible data	
Dialer Protocol [1]	SIA 3/1 (format P2) and 4/2 (format P3): 20 pulses per second, double round Contact ID (DTMF format) Digital Communications Standard (DCS) "SIA format": Level 2 (300 baud, Bell 103)	
Pager Protocol (3-MODCOMP only)	Telocator Alphanumeric Protocol (TAP), Version 1.8, 300 baud, Bell 103	
Telephone	Dialing Connector	Pulse or Tone (DTMF) Two 8-position modular phone jacks
CMS Telephone Numbers	Quantity Available Digits	Two per receiver - 160 max. Up to 24 digits per number
Receivers	Supports up to 80 individual receivers.	
Event Buffer	500 events	
Operating Environment	32°F (0°C) to 120°F (49°C), 93% RH Non-condensing	
Agency Listings, EST4	UL, FCC Part 68 / CFR 47, ULC. See Note 1	
Agency Listings, EST3	UL, FCC Part 68 / CFR 47, ULC. See Note 1.	

Note 1: SIA 3/1 and SIA 4/2 are not supported when 3-MODCOM series is used with EST4.

Receivers Tested				
Format	Manufacturer	Model	Receiver Card	
4/2 and 3/1	Ademco	685	685-1 or 685-8	
	FBI (Fire Burglary Instruments)	CP220		
	Osborne-Hoffman	OH2000		
	Radionics	D6600		
	Silent Knight	9000		9032
	Sur-Gard	MLR2, SG-SLR		
Contact ID	MCDI	TLR, TLR+	685-8	
	Ademco	685		
	Osborne-Hoffman	OH2000		
	Sur-Gard	MLR2, SG-SLR		
	Radionics	D6600		
	Silent Knight	9000		9032
SIA DCS	MCDI	TLR, TLR+	685-8	
	Sur-Gard	MLR2, SG-SLR		

Note 1:

EST3 is modularly listed under the following standards:

UL 864 categories: UOJZ, UOXX, UUKL and SYZV, UL 294 category ALVY, UL 609 category AOTX, UL 636 category ANET, UL 1076 category APOU, UL 365 category APWA, UL 1610 category AMCX, UL 1635 category AMCX

ULC-S527, ULC-S301, ULC-S302, ULC-S303, ULC-S306, ULC/ORD-C1076 and ULC/ORD-C693

Please refer to EST3 Installation and Service Manual for complete system requirements.

For EST4, please refer to the EST4 Installation and Service Manual for complete systems requirements and listings.

Compatible Dialer Capture Modules

Telguard TG-7FS - UL approved Cellular Alarm Communicator for Commercial Fire applications over 3G/4G networks.

DSC 3G3070 - ULC approved Cellular Alarm Communicator for commercial fire applications.

Ordering Information

Catalog Number	Description	Ship Wt. lb (kg)
3-MODCOM	Modem/Dialer (DACT) version	0.5 (0.23)
3-MODCOMP	Modem/Dialer (DACT) w/TAP Pager Protocol	0.5 (0.23)
4-FIL	Blank EST4 filler plate (order separately when no LED or LED/Switch module is installed on the inner door).	0.1 (0.05)
3-FP	Filler Plate, order separately when no LED or LED/Switch module installed.	0.1 (0.05)



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