

7845i-GSM*

INTERNET AND DIGITAL
CELLULAR COMMUNICATOR

*With Remote
Service Capability



Internet Connection



Honeywell is focused on providing the future of alarm communication solutions for the security industry. Alternative communication methods are critical in the marketplace due to VoIP, migration from POTS and growth of digital radio networks. Honeywell's 7845i-GSM delivers secure, reliable and complementary Internet and digital communications via the GSM (Global System for Mobile) network. Our exclusive, Triple-Path Communications solution combines Internet service with GSM for added reliability and an extra level of security, offering substantial benefits to protect your investment by future-proofing your recurring revenue.

Our GSM radio technology is unique in that it uses GPRS service for data and alarm communications and automatically switches to SMS for alarms if GPRS is unavailable. Through the Internet or radio, the 7845i-GSM offers full data reporting and uploading/downloading with most Honeywell control panels. Plus, with zone inputs and optional dialer capture capability we're compatible with other manufacturers' control panels as well.

All signals are delivered to Honeywell's AlarmNet Network Control Center, which routes the information to the appropriate central station. The state of the art AlarmNet Network Control Center is fully redundant and monitored 24/7. AlarmNet has the ability to route messages using AlarmNet-i and 800 PLUS services, providing true redundancy and multi-path message delivery.

FEATURES

- **Universal Control Panel Compatibility** – Flexible modes of operation allow ECP alarm reporting by Honeywell control panels, 4204 relay mode for Honeywell controls (that do not support ECP alarm reporting) and zone triggering for use with other control panels.
- **Dialer Capture Ready** – Compatible with Dialer Capture Intelligence Device DCID (for LYNX) or DCID-EXT (other control panels). Captures Contact ID messages from the panel's phone line and sends them to the central station via the GSM radio.
- **Six Input Zones** – Each zone can be configured for +V, -V, or EOLR triggering. Each zone can be programmed for inverted operation, delayed reporting and restoral reporting. Zone 1 can distinguish between pulsed and steady inputs.
- **Full Contact ID or ADEMCO High-Speed Reporting** – ECP mode with compatible Honeywell control panels support full Contact ID reporting. All other modes use ADEMCO High-Speed reporting format.
- **Tamper Protected Enclosure** – Built-in tamper sends a report when a tamper condition is detected and a restore when cleared.
- **Built-In Power Supply** – On board charging circuit design accommodates back-up battery. Includes primary power and battery supervision.
- **Back-Up Battery** – 6V 3.1Ah supplied to deliver up to 24 hours of standby operation.
- **256-bit AES Encryption** – Advanced Encryption Standard used for secure communications.
- **Triple-Path Technology** – Provides three paths of communication using Internet, GPRS (General Packet Radio Service), and SMS (Short Message Service). Uses Internet as primary with dual GSM technology as back-up. GSM path utilizes GPRS and automatically switches to SMS if GPRS is unavailable.
- **Upload/Download** – With select Honeywell control panels using Internet and optionally GPRS. Requires Compass version 1.5.8.54a or higher.
- **Dynamic Signaling with Certain Honeywell Control Panels** – Provides management of control panel dialer and digital cellular communicator. Programmable priority and delays determine signal path.
- **Diagnostic LEDs** – Provide signal strength and status indications.
- **QOS** – Quality of Service diagnostics via AlarmNet supply vital information including when message was received, battery voltage, input voltage, signal strength, and message path.
- **Web-Based Programming** – Allows complete interactive programming from AlarmNet Direct.
<https://services.alarmnet.com/AlarmnetDirect>
- **Intelligent Supervision** – Any message generated serves as a supervision message per optional 24 hour or 30 day intervals. This feature effectively limits required messages to be sent.
- **Remote Services Capability*** – Optional Total Connect value-added web-based or SMS system control as well as e-mail notification of system events.

*Service subscription required.

7845i-GSM

INTERNET AND DIGITAL CELLULAR COMMUNICATOR

ACCESSORIES

7720P Programmer



K14139 Battery
(Included)



1332 Transformer
(1332CN for Canada)



DCID
Dialer Capture Intelligence Device
(For Non-ECP LYNX controls)



DCID-EXT
Dialer Capture Intelligence Device
(For Non-ECP capable control panels)

SPECIFICATIONS

Power

- **Input Operating Voltages:**
10.5–14.3VDC or 9–16.5VAC, transformer included
- **Backup Battery:**
6V 3.1A (24 hrs. standby)
- **Current Requirements:**
 - 60mA standby
 - 400mA during transmission
- **Transmission Power:**
 - 850MHz – 1 Watt
 - 1900MHz – 2 Watts

Mechanical

- **Dimensions:** 8" H x 7.5" W x 1.86" D
- **Operating Temperature:**
-22° to 140° F (-30° to 60° C)
- **Humidity:**
0% – 90% non-condensing

UL/ULC Listings

- UL 365 – Police Station Connected Burglar Alarm Units and Systems
- UL 1610 – Central Station Burglar Alarm Units
- UL 1635 – Digital Alarm Communicator System Units

- UL 985 – Household Fire Warning System Units
- CAN/ULC-S303-M91 (First Edition) – Local Burglar Alarm Units and Systems
- CAN/ULC-S304-M88 (First Edition) – Central and Monitoring Station Burglar Alarm Units
- CAN/ULC Subject C1023-1974 (First Edition) – Household Burglar Alarm System Units
- CAN/ULC-S545-02 (Second Edition) – Residential Fire Warning System Control Units

ORDERING

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|--------------------|---|
| 7845i-GSM | Internet and Digital Cellular Communicator with Remote Services Capability |
| 7845i-GSMCN | Internet and Digital Cellular Communicator for Canada with Remote Services Capability |
| 7845i-GSMG | California Compliant Internet and Digital Cellular Communicator with Remote Services Capability |

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