



From Tyco Security Products

HSPA Universal Wireless Alarm Communicator 3G3070



Features That Make a Difference:

- Uses HSPA (3G) network for high-speed, reliable and low-cost communications to an IP receiver
- Automatically switches to 2G (EDGE/GPRS) if 3G service is not available
- Compatible with control panels that communicate using the Contact ID format
- Full event reporting
- 4 on-board inputs
- 4 on-board outputs (open collector)
- Local configuration with the 3G3070 console software
- PTM (Panel Transmission Monitor) switches from PSTN to cellular on unsuccessful communication attempts
- Compatible with Sur-Gard System I-IP/II/III/IV/5 monitoring station receivers

3G technology from DSC!

The 3G3070 connects the alarm control panel to the HSPA network and reports alarm signals directly to a monitoring station receiver Sur-Gard System I-IP/II/III/IV/5. The 3G3070 uses the HSPA network to ensure low-cost, high-speed and reliable alarm communications and is compatible with control panels that communicate using the Contact ID format.

How it Works

The 3G3070 is installed between the telephone connection of a control panel and telephone line. When used in a backup role, the communicator assesses the connection to the phone line, and if that has failed, it then connects to the HSPA network to send an alarm signal to the monitoring station. In a primary role, the communicator simply sends the alarm transmission over the HSPA network immediately.

Alarm signals are transmitted directly to the IP linecard of the monitoring station receiver Sur-Gard System I-IP/II/III/IV/5 without the need of clearing house involvement.

Programming the Unit

Programming the 3G3070 can be done using the 3G3070 console software. The software utilizes the PC-Link cable to make a

connection directly between the computer and the 3G3070.

Advance Panel Transmission Monitoring

The 3G3070 can intelligently monitor the panel transmission and switch over to the HSPA network when the phone line is down.

This function will occur for both traditional POTS and newer digital technologies (i.e. VoIP).

Specifications

- Dimensions 8.8" H x 5.4" W x 2.2" D (224 mm x 138 mm x 56 mm)
- Input Voltage 13.8 Vdc
- Current Draw (Jumper OFF) 120 mA (Jumper ON) 500 mA*
* Plus any current drawn from the 3G3070 AUX+ terminal
- Operating Environment 0° C to 49° C (32° F to 120° F)
- Weight.....32 oz (907 g)

communications



The truth about 4G

why not knowing could cost you!

DSC products speak for themselves: *flexible, durable and reliable*. They are always developed with an eye on the future, using the latest, most relevant technologies. But you're probably wondering about 4G – you've heard it's the next big step – faster, with a perceived promise of wider coverage and longer lifecycle and perhaps you're wondering whether a DSC 3G communicator is the right solution for your business.

The answer is an emphatic yes. 3G coverage and lifecycle are identical to 4G. Other than a nominal increase in speed – which is not necessary due to the small size of alarm signals – the only marked difference between a 3G alarm system and what is called a “4G” system is *price*.

HSPA (High Speed Packet Access) – or 3G – is the technology supporting most of today's wireless networks. HSPA+ (also called Evolved HSPA or somewhat confusingly 4G) is a further evolution of HSPA, offering higher speeds. But there are a lot of misconceptions surrounding the real and perceived advantages of “4G” technology and alarm dealers are the ones paying the price.

Is HSPA+ really 4G?

The term “4G” may sound like a generational leap, but it's not really the case. HSPA+ utilizes the HSPA network as its base and obtains faster speeds depending on backhaul speeds from the tower back to the carrier. While many carriers have chosen to market HSPA+ as 4G, in reality it is simply a faster version of 3G (HSPA). Moreover, because HSPA+ relies on the presence of HSPA, *the coverage – and lifecycle – of the two technologies is identical*.

The DSC advantage

Unlike other cellular communicators on the market, DSC communicators *don't use a clearing house* – the signal goes straight from the alarm transmitter to the central station receiver within seconds, without the need for the extra cost associated with HSPA+ technology.

While the need for speed continues to drive smartphone development and marketing, longevity remains top priority for the alarm industry. And with HSPA+ alarm communicators operating on an HSPA base – thus *costing more* for equal lifespan and coverage – choosing a DSC 3G solution is both a smart and economical choice.

For more information on these or other DSC products, e-mail info@dsc.com or contact your local Sales Representative.

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