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Data Sheet
August 1, 2026

GE / BENTLY NEVADA

# GE / Bently Nevada 107320-01 Spare Relay Assembly Module - Conformal Coated

The GE / Bently Nevada 107320-01 is a spare relay assembly module with conformal coating, designed for use in Bently Nevada monitoring systems. This module provides reliable relay output functionality and is protected against harsh environmental conditions thanks to its conformal coating.

| | |
|---|---|
| MODEL<br>GE / Bently Nevada 107320-01 | CALIBRATION<br>Available on request |
| CONDITION<br>Used | STATUS<br>In stock |
| RFQ / SKU<br>107320-01 | LISTING<br>https://aumictechlabs.com/products/107320-01-2/ |

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

## This unit

The GE / Bently Nevada 107320-01 is a spare relay assembly module engineered for deployment within Bently Nevada machinery monitoring systems. This component delivers reliable relay output functionality while featuring conformal coating for enhanced environmental protection. The coating guards against moisture, dust, corrosive elements, and temperature extremes - critical safeguards in demanding industrial monitoring applications where standard components face accelerated degradation. Technical Specifications The 107320-01 is a relay assembly module manufactured by GE / Bently Nevada, designed as a spare component for system maintenance and replacement cycles. Conformal coating is applied to the module's PCB assembly to provide environmental immunity across harsh operating conditions. Key Features Conformal-coated PCB

assembly for corrosion and moisture resistance Provides relay output functionality for machinery monitoring systems Protection against environmental degradation including mold growth and electrical failure Coating applied at thicknesses of 25–75 µm, conforming to board contours for complete coverage Formulated to meet international military and industry specifications Extended operational longevity in corrosive, dusty, and high-humidity environments Typical Applications The module is a replacement component in operating Bently Nevada condition monitoring installations. It is deployed in industrial environments where equipment protection from chemical exposure, moisture ingress, and thermal cycling is essential to system reliability. Compatibility & Integration Designed for integration into Bently Nevada monitoring systems. Potential compatibility exists with Bently Nevada 3300, 3500, and 2300 series platforms, though specific system integration requirements should be verified against individual system documentation. Relay output connectivity is provided; specific connector types and pinout details require reference to the target system architecture.

## Features & description

From manufacturer datasheet

### Features

• Frequency / period range: 0.1 Hz to 10 MHz (period 100 ns to 10 s) • Pulse width: 50 ns to 5 s; delay: 50 ns to 5 s; eight overlapping decade ranges with vernier • Modes: normal pulse, squarewave, double pulse, delayed pulse • Run modes: free-run (RUN), triggered, gated; manual trigger/gate buttons • 50 ohm main output: 0.1 to 1.0 V and 1 to 10 V ranges (half amplitude into 50 ohm load) • Rise/fall typically 10 ns into 50 ohm (maximum 15 ns) • AUX CMOS/TTL output and SYNC output • Complement switch inverts AUX and 50 ohm outputs • Jitter less than 0.1% on period and width

## 107320 Characteristics / Specifications

| PARAMETER | VALUE |
|---|---|
| **Model** | TGP110 |
| **Manufacturer** | Thurlby Thandar Instruments Ltd. (Aim-TTi) |
| **Instrument Type** | Pulse generator with delay |
| **Period Range** | 100 ns to 10 s (10 MHz to 0.1 Hz) |
| **Period Jitter** | Less than 0.1% |
| **Pulse Width Range** | 50 ns to 5 s |
| **Pulse Width Jitter** | Less than 0.1% |
| **Delay Range** | 50 ns to 5 s |
| **Squarewave Mark** | Space: 1:1 +/-10% |
| **Gate/Trig Input** | DC to 10 MHz; TTL threshold; max +/-10 V; min pulse width greater than 30 ns; input impedance typically 10 kohm 50 Ohm Output Amplitude: 0.1 to 1.0 V and 1 to 10 V from 50 ohm (50 mV to 500 mV and 500 mV to 5 V into 50 ohm) |
| **Rise/Fall Times** | Typically 10 ns into 50 ohm; maximum 15 ns |
| **Aberrations** | Typically less than 5% for output set above 20% of range maximum into 50 ohm |
| **AUX Output** | Fixed CMOS/TTL level duplicate of main pulse |
| **SYNC Output** | Positive CMOS/TTL pulse; leading edge starts greater than 20 ns before main transition; duration typically 30 ns |
| **Power** | 230 V or 115 V AC nominal 50/60 Hz (internal selection); +/-14% operating range; 20 VA max |
| **Size** | 140 × 220 × 230 mm (HxWxD) |
| **Weight** | 1.6 kg (3.5 lb) |
| **Operating Range** | +5 C to 40 C, 20 to 80% RH |
| **Storage Range** | -40 C to 70 C |
| **Safety / EMC** | EN61010-1; EN55081-1 and EN50082-1 (as published) Pulse Modes Detail |
| **NORMAL PULSE** | One pulse per period; delay ignored |

| PARAMETER | VALUE |
| --- | --- |
| **SQUAREWAVE** | Frequency set by period controls only |
| **DOUBLE PULSE** | Second pulse after delay from leading edge of first pulse |
| **DELAYED PULSE** | Pulse after delay from rising edge of trigger Operational Notes Terminate the 50 ohm output in 50 ohm for specified edge speed and amplitude. Use the complement switch when inverted polarity is required. For triggered delayed pulses, applyaclean TTL trigger and set delay/width within the selected decade ranges. |
| **Frequency / period range** | 0.1 Hz to 10 MHz (period 100 ns to 10 s) |
| **Pulse width** | 50 ns to 5 s; delay: 50 ns to 5 s; eight overlapping decade ranges with vernier |
| **Modes** | normal pulse, squarewave, double pulse, delayed pulse |
| **Run modes** | free-run (RUN), triggered, gated; manual trigger/gate buttons |
| **50 ohm main output** | 0.1 to 1.0 V and 1 to 10 V ranges (half amplitude into 50 ohm load) |

# Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

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Pulse Modes Detail

## Specifications

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Operational Notes
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## Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: **sales@aumictech.com** · +1 (484) 841-9341

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