

LATCH

Momentary-to-Toggle (Bi-Stable) Switching Converter



Visonic

Installation Instructions

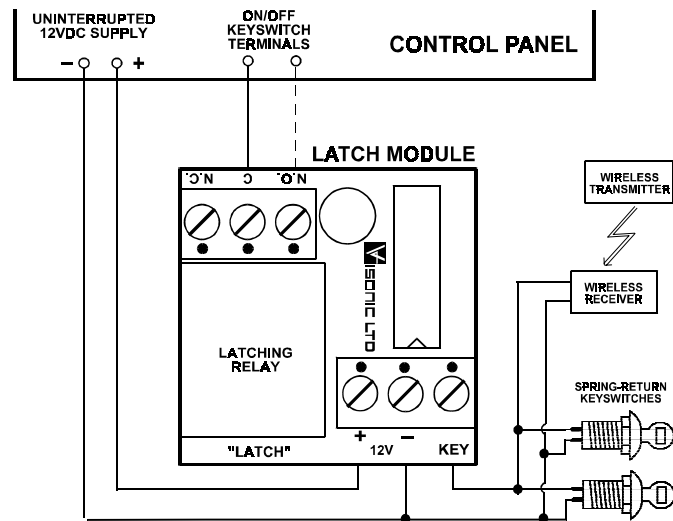
1. DESCRIPTION AND APPLICATIONS

The LATCH module is an auxiliary device designed to allow easy and reliable arming/disarming of control panels with momentary, spring-return type keyswitches or with hand-held wireless remote controls. The module replaces the normal ON/OFF keyswitch and consists of an electronic bi-stable latching circuit and an SPDT relay with 2A contacts. It may be looked upon as an easy-to-use, cost-effective "momentary-to-toggle (bi-stable)" switching converter.

When correctly connected to the control panel (see drawing), momentary closure of the keyswitch contacts will latch the relay which, in turn, will arm the control panel just like a normal ON/OFF switch. A subsequent momentary closure of the keyswitch contacts will unlatch the relay, resulting in disarming the system.

Note: The LATCH module is also suitable for similar performance of other remote control operations.

The on-board relay provides N.O. and N.C. outputs, and can therefore be used with a wide variety of control panels. Its small 32 X 32 mm printed circuit board is seated on four supports at the top of a small plastic box, and held in place by two fixed tabs and a flexible retainer tab. The box is easily incorporated anywhere within the control panel housing, and is therefore protected by the control panel's tamper switch.



LATCH Module Wiring Plan

2. SPECIFICATIONS

ELECTRICAL DATA

Operating Voltage: 12 VDC $\pm 15\%$

Current Drain: Less than 1 mA (unlatched), 30 mA (latched).

Relay Switching Capability: 2A / 24 VDC

Caution: Connect directly to an uninterrupted 12 VDC source.

PHYSICAL DATA

Dimensions: 37 x 37 x 44 mm (1- 7/16 x 1-7/16 x 1- 3/4 in.)

Weight: 32 g (1.1 oz)

WARRANTY

Visonic Ltd. and/or its subsidiaries and its affiliates ("the Manufacturer") warrants its products hereinafter referred to as "the Product" or "Products" to be in conformance with its own plans and specifications and to be free of defects in materials and workmanship under normal use and service for a period of twelve months from the date of shipment by the Manufacturer. The Manufacturer's obligations shall be limited within the warranty period, at its option, to repair or replace the product or any part thereof. The Manufacturer shall not be responsible for dismantling and/or reinstallation charges. To exercise the warranty the product must be returned to the Manufacturer freight prepaid and insured.

This warranty does not apply in the following cases: improper installation, misuse, failure to follow installation and operating instructions, alteration, abuse, accident or tampering, and repair by anyone other than the Manufacturer.

This warranty is exclusive and expressly in lieu of all other warranties, obligations or liabilities, whether written, oral, express or implied, including any warranty of merchantability or fitness for a particular purpose, or otherwise. In no case shall the Manufacturer be liable to anyone for any consequential or incidental damages for breach of this warranty or any other warranties whatsoever, as aforesaid.

This warranty shall not be modified, varied or extended, and the Manufacturer does not authorize any person to act on its behalf in the modification, variation or extension of this warranty. This warranty shall apply to the Product only. All products, accessories or attachments of others used in conjunction with the Product, including batteries, shall be covered solely by their own warranty, if any. The Manufacturer shall not be liable for any damage or loss whatsoever, whether directly, indirectly, incidentally, consequentially or otherwise, caused by the malfunction of the Product due to products, accessories, or attachments of others, including batteries, used in conjunction with the Products.

The Manufacturer does not represent that its Product may not be compromised and/or circumvented, or that the Product will prevent any death, personal and/or bodily injury and/or damage to property resulting from burglary, robbery, fire or otherwise, or that the Product will in all cases provide adequate warning or protection. User understands that a properly installed and maintained alarm may only reduce the risk of events such as burglary, robbery, and fire without warning, but it is not insurance or a guarantee that such will not occur or that there will be no death, personal damage and/or damage to property as a result.

The Manufacturer shall have no liability for any death, personal and/or bodily injury and/or damage to property or other loss whether direct, indirect, incidental, consequential or otherwise, based on a claim that the Product failed to function. However, if the Manufacturer is held liable, whether directly or indirectly, for any loss or damage arising under this limited warranty or otherwise, regardless of cause or origin, the Manufacturer's maximum liability shall not in any case exceed the purchase price of the Product, which shall be fixed as liquidated damages and not as a penalty, and shall be the complete and exclusive remedy against the Manufacturer.

Warning: The user should follow the installation and operation instructions and among other things test the Product and the whole system at least once a week. For various reasons, including, but not limited to, changes in environmental conditions, electric or electronic disruptions and tampering, the Product may not perform as expected. The user is advised to take all necessary precautions for his/her safety and the protection of his/her property.

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