

**Aumictech**

Test &amp; measurement · bought, sold, repaired, calibrated

**Data Sheet**

August 15, 2026

AGILENT / KEYSIGHT

## Agilent/Keysight 44477A

HP Agilent 44477A 7 Channel FormCRelay Module for 3488A The HP 44477A is the seven-channel Form-C (SPDT) relay module for the 3488A Switch/Control Unit (option 017). OEM 3488A tables share input ratings with 44470A/44471A/44473A: 250 V dc or 250 V ac rms (350 V ac peak), 2 A dc or 2 A ac rms, 60 W dc or 500 VA ac, and thermal offset less than 3 uV. The module drives programmable attenuators and non-HP coaxial switches from an external supply. General-purpose SPDT switching and remote attenuator/coax-switch drive in a 3488A or 3499A/B/C mainframe. The HP 44477A is the seven-channel Form-C (SPDT) relay module for the 3488A Switch/Control Unit (option 017). OEM 3488A tables share input ratings with 44470A/44471A/44473A: 250 V dc or 250 V ac rms (350 V ac peak), 2 A dc or 2 A ac rms, 60 W dc or 500 VA ac, and thermal offset less than 3 uV. The module drives programmable attenuators and non-HP coaxial switches from an external supply. General-purpose SPDT switching and remote attenuator/coax-switch drive in a 3488A or 3499A/B/C mainframe. Instrument Type: FormCrelay switch module



## MODEL

**Agilent / Keysight  
44477A**

## CALIBRATION

**Available on  
request**

## CONDITION

**Used**

## STATUS

**In stock**

## RFQ / SKU

**44477A**

## LISTING

<https://aumictechlabs.com/products/44477a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

### This unit

The Agilent/Keysight 44477A is a VXI plug-in relay module providing seven independent SPDT (Form-C) relays for signal and power switching in automated test systems. It switches up to 2 A at

250 V DC, with maximum per-channel capacity of 60 W or 125 VA, and per-module capacity of 420 W or 875 VA. The module uses armature latching relays to maintain state, with contact resistance below 1 Ohm and thermal offset below 3  $\mu$ V. Scan rate reaches 43 channels/second, enabling fast sequential switching operations. The 44477A accommodates dual power configurations: external supplies up to 250 V DC or an internal 5 V DC supply. This flexibility suits applications requiring control of RF, coaxial, microwave components, and mercury relays. Initial contact resistance below 1 Ohm minimizes signal loss and heat generation. The module integrates directly into Agilent/Keysight VXI mainframes such as the 3499A/B/C series, providing centralized switching control within larger measurement systems.

**Technical Specifications**

|                                    |                                              |
|------------------------------------|----------------------------------------------|
| Relay Type:                        | 7 $\times$ SPDT Form-C relays                |
| Maximum Switching Voltage:         | 250 V DC                                     |
| Maximum Switching Current:         | 2 A per channel                              |
| Maximum Power per Channel:         | 60 W, 125 VA                                 |
| Maximum Power per Module:          | 420 W, 875 VA                                |
| Initial Closed Channel Resistance: | < 1 Ohm                                      |
| Thermal Offset:                    | < 3 $\mu$ V                                  |
| Maximum Scan Rate:                 | 43 channels/second                           |
| Switching Mechanism:               | Armature latching relay                      |
| Power Supply Options:              | External (up to 250 V DC) or internal 5 V DC |

**Key Features**

- Armature latching design maintains relay state without continuous power
- Low contact resistance minimizes signal degradation
- Low thermal offset supports precision measurement applications
- High scan rate enables rapid multi-channel switching sequences
- Dual power supply configuration accommodates diverse system architectures

**Typical Applications**

- RF and microwave device switching
- Coaxial circuit control
- Mercury relay actuation via external power
- Automated test equipment signal routing
- Remote device drive and control

**Compatibility & Integration**

- VXIbus interface for plug-in integration
- Compatible with Agilent/Keysight VXI mainframes including 3499A/B/C series

**Form factor:** VXI plug-in module

**Shipping weight:** Approximately 3 lbs

## 44477A Characteristics / Specifications

| PARAMETER                  | VALUE                                                            |
|----------------------------|------------------------------------------------------------------|
| Model                      | 44477A                                                           |
| Instrument Type            | FormCrelay switch module                                         |
| Host Mainframe             | 3488A Switch/Control Unit                                        |
| Catalog Option Code        | 017 on 3488A                                                     |
| Channel Count              | 7                                                                |
| Relay Form                 | SPDT FormCMaximum Voltage: 250 V dc, 250 V ac rms, 350 V ac peak |
| Maximum Current            | 2 A dc, 2 A ac rms                                               |
| Maximum Power              | 60 W dc, 500 VA ac                                               |
| Thermal Offset             | less than 3 uV                                                   |
| Compatible Later Mainframe | 3499A, 3499B, and 3499C                                          |
| Related Mux                | 44470A 10-channel relay multiplexer                              |
| Related Gp Relay           | 44471A 10-channel general purpose relay                          |
| Related Matrix             | 44473A 4×4 matrix                                                |
| Form Factor                | 3488A / 3499 plug-in                                             |
| Manufacturer               | HP Agilent Keysight                                              |
| Use Case                   | SPDT control and attenuator drive                                |
| Control                    | 3488A HP-IB, up to 40 stored configurations in mainframe         |
| Operating Temperature      | 0 to 55 C (3488A environmental)                                  |
| Humidity                   | 95 percent, 0 to 40 C (3488A environmental)                      |
| Literature                 | HP 3488A datasheet option 017 44477A                             |
| Family                     | 3488A switch modules                                             |
| System Role                | FormCactuation                                                   |
| Connector                  | removable screw terminals, 18 to 26 gauge                        |
| Documentation Type         | OEM 3488A module table                                           |

# 44477A Specifications

| PARAMETER                              | VALUE                                                                                                     |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Applications                           | General-purpose SPDT switching and remote attenuator/coax-switch drive in a 3488A or 3499A/B/C mainframe. |
| Seven independent SPDT Form C channels | 250 V and 2 A switching class                                                                             |
| Thermal offset less than 3 uV          | 3488A option 017                                                                                          |
| Technical Specifications               | Model: 44477A                                                                                             |

# General Specifications & Supplementary Characteristics

| PARAMETER             | VALUE                                                                                                                                                                                                                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating temperature | 0 to 55 C (3488A environmental)                                                                                                                                                                                                                                                                     |
| Operating Temperature | 0 to 55 C (3488A environmental)                                                                                                                                                                                                                                                                     |
| Humidity              | 95 percent, 0 to 40 C (3488A environmental)                                                                                                                                                                                                                                                         |
| Literature            | HP 3488A datasheet option 017 44477A                                                                                                                                                                                                                                                                |
| Family                | 3488A switch modules                                                                                                                                                                                                                                                                                |
| System Role           | FormCactuaton                                                                                                                                                                                                                                                                                       |
| Connector             | removable screw terminals, 18 to 26 gauge                                                                                                                                                                                                                                                           |
| Documentation Type    | OEM 3488A module table Notes From HP 3488A option 017 / 44477A<br>Form-C module tables (7 SPDT; 250 V / 2 A / 60 W dc / 500 VA ac;<br>thermal offset < 3 uV). Closed-channel resistance and scan rate are on<br>the 44477A module page when stated separately from the shared<br>3488A relay table. |

# 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             |                                                          |
|----------------------------|----------------------------------------------------------|
| Technical Specifications   |                                                          |
| PARAMETER                  | VALUE                                                    |
| Model                      | 44477A                                                   |
| Instrument Type            | Form C relay switch module                               |
| Host Mainframe             | 3488A Switch/Control Unit                                |
| Catalog Option Code        | 017 on 3488A                                             |
| Channel Count              | 7                                                        |
| Relay Form                 | SPDT Form C                                              |
| Maximum Voltage            | 250 V dc, 250 V ac rms, 350 V ac peak                    |
| Maximum Current            | 2 A dc, 2 A ac rms                                       |
| Maximum Power              | 60 W dc, 500 VA ac                                       |
| Thermal Offset             | less than 3 uV                                           |
| Compatible Later Mainframe | 3499A, 3499B, and 3499C                                  |
| Related Mux                | 44470A 10-channel relay multiplexer                      |
| Related Gp Relay           | 44471A 10-channel general purpose relay                  |
| Related Matrix             | 44473A 4x4 matrix                                        |
| Form Factor                | 3488A / 3499 plug-in                                     |
| Manufacturer               | HP Agilent Keysight                                      |
| Use Case                   | SPDT control and attenuator drive                        |
| Control                    | 3488A HP-IB, up to 40 stored configurations in mainframe |
| Operating Temperature      | 0 to 55 C (3488A environmental)                          |
| Humidity                   | 95 percent, 0 to 40 C (3488A environmental)              |
| Literature                 | HP 3488A datasheet option 017 44477A                     |
| Family                     | 3488A switch modules                                     |
| System Role                | Form C actuation                                         |
| Connector                  | removable screw terminals, 18 to 26 gauge                |
| Documentation Type         | OEM 3488A module table                                   |
| Specifications             |                                                          |

| PARAMETER                  | VALUE                                                            |
|----------------------------|------------------------------------------------------------------|
| Model                      | 44477A                                                           |
| Instrument Type            | FormCrelay switch module                                         |
| Host Mainframe             | 3488A Switch/Control Unit                                        |
| Catalog Option Code        | 017 on 3488A                                                     |
| Channel Count              | 7                                                                |
| Relay Form                 | SPDT FormCMaximum Voltage: 250 V dc, 250 V ac rms, 350 V ac peak |
| Maximum Current            | 2 A dc, 2 A ac rms                                               |
| Maximum Power              | 60 W dc, 500 VA ac                                               |
| Thermal Offset             | less than 3 uV                                                   |
| Compatible Later Mainframe | 3499A, 3499B, and 3499C                                          |
| Related Mux                | 44470A 10-channel relay multiplexer                              |
| Related Gp Relay           | 44471A 10-channel general purpose relay                          |
| Related Matrix             | 44473A 4x4 matrix                                                |
| Form Factor                | 3488A / 3499 plug-in                                             |
| Manufacturer               | HP Agilent Keysight                                              |
| Use Case                   | SPDT control and attenuator drive                                |
| Control                    | 3488A HP-IB, up to 40 stored configurations in mainframe         |
| Operating Temperature      | 0 to 55 C (3488A environmental)                                  |
| Humidity                   | 95 percent, 0 to 40 C (3488A environmental)                      |
| Literature                 | HP 3488A datasheet option 017 44477A                             |
| Family                     | 3488A switch modules                                             |
| System Role                | FormCactuation                                                   |
| Connector                  | removable screw terminals, 18 to 26 gauge                        |
| Documentation Type         | OEM 3488A module table                                           |

#### Notes

From HP 3488A option 017 / 44477A Form-C module tables (7 SPDT; 250 V / 2 A / 60 W dc / 500 VA ac; thermal offset < 3 uV). Closed-channel resistance and scan rate are on the 44477A module page when stated separately from the shared 3488A relay table.

## Ordering Information

| OPTION     | DESCRIPTION                |
|------------|----------------------------|
| Option 017 | Works in 3499A/B/C as well |

### Available from Aumictech

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

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

#### Aumictech

788 S 500 E, Pleasant Grove, UT 84062  
[sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341  
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·  
30-day returns  
NAICS 423690 · 811210 · 541380  
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.