APTER■POWER

INDUSTRIAL AUTOMATION PRODUCT

# 51109693-100B

## UCN Ground Tap

Honeywell 51109693-100B is a 2-4 Universal Control Network ground tap supplied with network terminators.

| IDENTITY | VERIFIED VALUE |
|---|---|
| **Manufacturer** | Honeywell |
| **System family** | Universal Control Network |
| **Part number** | 51109693-100B |

PRODUCT TECHNICAL REFERENCE


### APTER POWER SALES TEAM

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## 2 Technical Specifications

Technical values below are limited to the named Honeywell product record.

| PARAMETER | TECHNICAL VALUE |
|---|---|
| **Part number** | 51109693-100B |
| **Component type** | Ground tap |
| **Tap positions** | 2-4 |
| **Termination** | Terminators included |
| **Network family** | UCN |
| **Associated tap kit** | 51201395-100 |

### ENGINEERING DATA SUMMARY

| DATA GROUP | VERIFIED ASSIGNMENT |
|---|---|
| **Installed host / carrier** | UCN coax segment |
| **Companion hardware** | Tap positions 2 through 4 |
| **Field connection** | Network terminators |
| **Primary system function** | Provides the documented UCN ground-tap point. |
| **Controlled acceptance duty** | UCN segment maintenance |

## 3 System Role and Architecture

Honeywell 51109693-100B is a 2-4 Universal Control Network ground tap supplied with network terminators.

**FUNCTION 1**

Provides the documented UCN ground-tap point.

**FUNCTION 2**

Serves tap positions two through four.

**FUNCTION 3**

Retains the specified network termination hardware.

**FUNCTION 4**

Supports controlled maintenance of a UCN coax segment.

### Matched system components

- UCN coax segment
- Tap positions 2 through 4
- Network terminators
- Associated 51201395-100 tap kit

### SYSTEM INTEGRATION RECORD

| INTEGRATION ITEM | DOCUMENTED ROLE |
|---|---|
| **Installed host / carrier** | UCN coax segment |
| **Companion hardware** | Tap positions 2 through 4 |
| **Field connection** | Network terminators |
| **Primary system function** | Provides the documented UCN ground-tap point. |
| **Controlled acceptance duty** | UCN segment maintenance |

## 4 Applications and Engineering Context

**UCN segment maintenance**

Provides the documented UCN ground-tap point.

**Controller network grounding**

Serves tap positions two through four.

**Coax tap restoration**

Retains the specified network termination hardware.

**Legacy TDC network service**

Supports controlled maintenance of a UCN coax segment.

### TECHNICAL NOTE

Verify the 100B suffix, tap position and termination arrangement on the installed segment. No unsupported impedance or connector values are inferred.

### MODEL-SPECIFIC ACCEPTANCE EVIDENCE

| CHECK | ACCEPTANCE CONDITION |
|---|---|
| **Identity** | 51109693-100B / 51109693-100B recorded |
| **Physical interface** | UCN coax segment |
| **Companion check** | Tap positions 2 through 4 |
| **Functional proof** | Provides the documented UCN ground-tap point. |
| **Application test** | UCN segment maintenance |

## 5 Engineering Precautions

1. Confirm the complete 51109693-100B marking.
2. Record UCN segment identity and tap positions 2 through 4.
3. Capture the existing termination and grounding arrangement.
4. Isolate the network under the approved UCN maintenance procedure.
5. Protect coax connectors from contamination and damage.

### RELATED PRODUCTS ON APTER POWER

| MODEL | SYSTEM ROLE | APTER POWER PAGE |
|---|---|---|
| **Honeywell MC-TDOR62** | TPS relay-output termination | **View Honeywell MC-TDOR62 page** |
| **Honeywell MC-TPIX12 51304084-175** | TPS pulse-input termination | **View Honeywell MC-TPIX12 51304084-175 page** |
| **Honeywell MC-TSIM12 51303932-476** | TPS serial-interface termination | **View Honeywell MC-TSIM12 51303932-476 page** |
| **Honeywell MC-TAOY25 51305865-275** | TPS analog-output termination | **View Honeywell MC-TAOY25 51305865-275 page** |
| **Honeywell DC-TFB412** | Series C redundant FIM IOTA | **View Honeywell DC-TFB412 page** |
| **Honeywell MC-IOLX02** | TPS remote I/O link extender | **View Honeywell MC-IOLX02 page** |
| **Honeywell 10002/1/2** | FSC control and I/O module | **View Honeywell 10002/1/2 page** |
| **Honeywell 10014/F/F** | FSC communication module | **View Honeywell 10014/F/F page** |

### MANUFACTURER SOURCE RECORD

Honeywell UCN parts identification records

Ground tap 2-4 with terminators


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