# Honeywell CC-PDIH01

Digital Input High Voltage- CC-PDIH01

Function

The Digital Input High Voltage accepts 120VAC / 125VDC (CC-TDI110, 120), 120VAC (CC-TDI151 PROX) or 250VAC

(CC-TDI2xx) signals as discrete inputs. The same IOM but different IOTA is used for both the 120VAC / 125VDC and

250VAC models. This reduces the number of spares required to support Series C system maintenance.

Notable Features

- Extensive internal diagnostics to ensure data

integrity

- Optional redundancy (except CC-TDI151)
- Input direct/reverse
- Galvanic isolation

## Detail Specifications - Digital Input High Voltage

* **Input / Output Model**: CC-PDIH01 - Digital Input High Voltage

* **Input Channels**: 32

* **Galvanic Isolation (field to logic common)**: 1500 VAC RMS or ±1500 VDC

* **Isolation Technique**: Optical

* **IOTA Models (120 VAC IOTA)**:

* CC-TDI110 (Non Redundant, 9")

* CC-TDI120 (Redundant, 12")

* CC-TDI151 (Non Redundant, 12")

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* **IOTA Models (240 VAC IOTA)**:
* CC-TDI220 (Non Redundant, 9")

* CC-TDI230 (Redundant, 12")

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## IOTA Specific Specifications

* **Nominal Voltage**:
* CC-TDI151: 120 VAC (PROX)

* CC-TDI110 & CC-TDI120: 120VAC or 125 VDC

* CC-TDI220 & CC-TDI230: 240VAC

* **Digital Input Pwr. Range**:
* CC-TDI151: 90-132 V AC RMS

* CC-TDI110 & CC-TDI120: 90-132 V AC RMS (for 120VAC) / 100-138 V DC (for 125VDC)

* CC-TDI220 & CC-TDI230: 180-264 V AC RMS

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* **Sense Current (ON condition) minimum**:
* CC-TDI151: 7.5 mA RMS at 90V RMS, 10 mA RMS at 132V RMS

* CC-TDI110 & CC-TDI120: 1.0 mA (for 120VAC), 1.2 mA (for 125VDC)

* CC-TDI220 & CC-TDI230: 1.11 mA RMS

* **Sense Current (OFF condition) maximum**:
* CC-TDI151: 2.0 mA RMS

* CC-TDI110 & CC-TDI120: 0.32 mA

* CC-TDI220 & CC-TDI230: 0.32 mA

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* **Pick Up Voltage (ON condition) minimum**:
* CC-TDI151: 90 VAC RMS

* CC-TDI110 & CC-TDI120: 90 VAC RMS (for 120VAC), 100 VDC (for 125VDC)

* CC-TDI220 & CC-TDI230: 180 VAC RMS

* **Drop Out Voltage (OFF condition) maximum**:
* CC-TDI151: 20 VAC RMS

* CC-TDI110 & CC-TDI120: 25 VAC RMS (for 120VAC), 25 VDC (for 125VDC)

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* CC-TDI220 & CC-TDI230: 50 VAC RMS

* **Absolute Delay Across Input Filter and Isolation (Bounceless Input to logic level change)**:
* CC-TDI151: 25 ms maximum

* CC-TDI110 & CC-TDI120: 25 ms maximum (for 120VAC), 10 ms maximum (for 125VDC)

* CC-TDI220 & CC-TDI230: 25 ms maximum

* **Frequency Range**:
* CC-TDI151: 47-63 Hz

* CC-TDI110 & CC-TDI120: 47-63 Hz (for 120VAC), NA (for 125VDC)

* CC-TDI220 & CC-TDI230: 47-63 Hz

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