



# Honeywell DCP251 Digital Controller Programmer User Guide

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DCP250  
Digital Controller Programmer  
57-77-16U-18  
Issue 1  
Model Selection Guide

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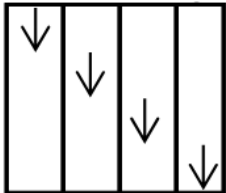
## DCP251 Digital Controller Programmer

### Instructions

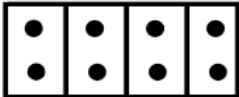
- Select the desired Key Number. The arrow to the right marks the selection available.
- Make one selection each from Table I thru IX, using the column below the proper arrow.
- A dot (●) denotes unrestricted availability. A letter denotes restricted availability.

| Key Number | I | II | III | IV | V | VI | VII | VIII | IX | X | XI |
|------------|---|----|-----|----|---|----|-----|------|----|---|----|
| -----      | - | -  | -   | -  | - | -  | -   | -    | -  | - | -  |

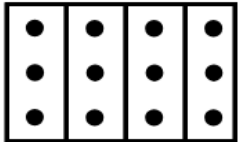
### KEY NUMBER Description

| KEY NUMBER Description                                                                                                                            | Selection                            | Availability                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------|
| Controller Programmer<br>Controller Programmer with USB Port<br>Controller Programmer w/Recording<br>Controller Programmer w/Recording & USB Port | DCP251<br>DCP252<br>DCP253<br>DCP254 |  |

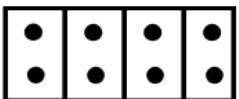
**TABLE I – Power Supply**

|                                     |  |        |                                                                                     |
|-------------------------------------|--|--------|-------------------------------------------------------------------------------------|
| 100 – 240 Vac<br>24 – 48 Vac or Vdc |  | 0<br>2 |  |
|-------------------------------------|--|--------|-------------------------------------------------------------------------------------|

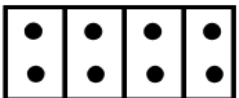
**TABLE II – Control Loops**

|                                                                       |  |             |                                                                                     |
|-----------------------------------------------------------------------|--|-------------|-------------------------------------------------------------------------------------|
| One Control Loop<br>One Control Loop + Aux Input<br>Two Control Loops |  | 1<br>A<br>2 |  |
|-----------------------------------------------------------------------|--|-------------|-------------------------------------------------------------------------------------|

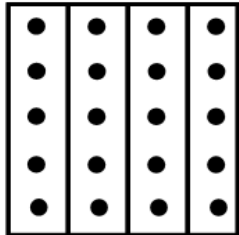
**TABLE III – Base Option 1**

|                                                 |  |        |                                                                                       |
|-------------------------------------------------|--|--------|---------------------------------------------------------------------------------------|
| Relay Output<br>Relay Output + Linear DC Output |  | 1<br>M |  |
|-------------------------------------------------|--|--------|---------------------------------------------------------------------------------------|

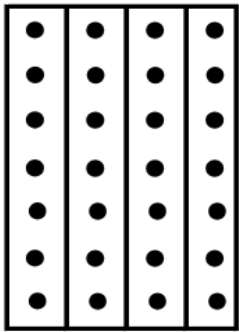
**TABLE IV – Base Option 2**

|                                         |  |        |                                                                                       |
|-----------------------------------------|--|--------|---------------------------------------------------------------------------------------|
| None<br>Relay Output + Linear DC Output |  | 0<br>M |  |
|-----------------------------------------|--|--------|---------------------------------------------------------------------------------------|

**TABLE V – Output Slot 1**

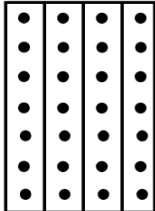
|                                                                       |  |                       |                                                                                       |
|-----------------------------------------------------------------------|--|-----------------------|---------------------------------------------------------------------------------------|
| None<br>Relay<br>DC Drive for SSR<br>Linear DC Output<br>Triac Output |  | 0<br>1<br>2<br>L<br>8 |  |
|-----------------------------------------------------------------------|--|-----------------------|---------------------------------------------------------------------------------------|

**TABLE VI – Output Slot 2**

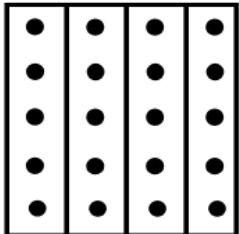
|                                                                                                                      |  |                                 |                                                                                    |
|----------------------------------------------------------------------------------------------------------------------|--|---------------------------------|------------------------------------------------------------------------------------|
| None<br>Relay<br>DC Drive for SSR<br>Triac Output<br>Dual Relay Output<br>Dual SSR Driver Output<br>24Vdc Xmtr Power |  | 0<br>1<br>2<br>8<br>9<br>Y<br>T |  |
|----------------------------------------------------------------------------------------------------------------------|--|---------------------------------|------------------------------------------------------------------------------------|

## Section 5

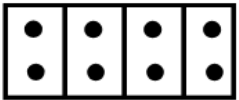
**TABLE VII – Output Slot 3**

|                                                                                                                      |  |                                 |                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------|--|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| None<br>Relay<br>DC Drive for SSR<br>Triac Output<br>Dual Relay Output<br>Dual SSR Driver Output<br>24Vdc Xmtr Power |  | 0<br>1<br>2<br>8<br>9<br>S<br>T | <div> DCP254<br/>DCP253<br/>DCP252<br/>DCP251 </div>  |
|----------------------------------------------------------------------------------------------------------------------|--|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|

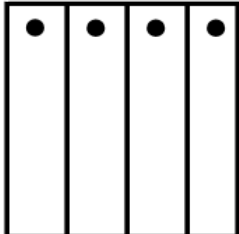
**TABLE VIII – Options A**

|                |                                                                                                    |                       |                                                                                       |
|----------------|----------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------|
| Slot A Options | No Selection<br>RS485 MODBUS RTU<br>Digital Input (Slot A)<br>Auxiliary Input (Slot A)<br>Ethernet | 1<br>3<br>4<br>5<br>0 |  |
|----------------|----------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------|

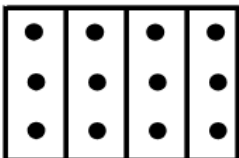
**TABLE IX – Options C**

|        |                                        |  |                                                                                       |
|--------|----------------------------------------|--|---------------------------------------------------------------------------------------|
| Slot C | No Selection<br>Multiple Digital Input |  |  |
|--------|----------------------------------------|--|---------------------------------------------------------------------------------------|

**TABLE X**

|                  |                                                                                      |                       |                                                                                       |
|------------------|--------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------|
| Manuals/Language | English Manual<br>French Manual<br>German Manual<br>Italian Manual<br>Spanish Manual | 1<br>2<br>3<br>4<br>5 |  |
|------------------|--------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------|

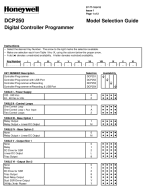
**TABLE XI – Extended Warranty**

|                   |                                                                        |             |                                                                                     |
|-------------------|------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|
| Extended Warranty | No Selection<br>Extended Warranty – 1 yr.<br>Extended Warranty – 2 yr. | 0<br>1<br>2 |  |
|-------------------|------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|

| Upgrade Kits/PC Software                         | Reference    |
|--------------------------------------------------|--------------|
| Relay Module (Slot 1)                            | 51453391-517 |
| Relay Module (Slot 2 & 3)                        | 51453391-518 |
| 10Vdc SSR Driver Module (Slot 1)                 | 51453391-502 |
| 10Vdc SSR Driver Module (Slot 2 & 3)             | 51453391-507 |
| Dual SSR Driver Module (Slot 2 & 3)              | 51453391-519 |
| TRIAC Module (Slot 1)                            | 51453391-503 |
| TRIAC Module (Slot 2 & 3)                        | 51453391-508 |
| Linear (mA, Vdc) Module (Slot 1)                 | 51453391-504 |
| Dual Relay Module (Slot 2 & 3)                   | 51453391-510 |
| Dual SSR Output Module (Slot 2 & 3)              | 51453391-519 |
| 24V Transmitter Power Supply Module (slot 2 & 3) | 51453391-511 |
| RS485 Communication (Slot A)                     | 51453391-512 |
| Ethernet Communication (Slot A)                  | 51453391-521 |
| Digital Input Module (Slot A)                    | 51453391-513 |
| Basic Aux Input Module (RSP/Position) (Slot A)   | 51453391-515 |
| Program Configuration/Profile Editing Software   | 51453391-522 |

# Honeywell

## Documents / Resources

|                                                                                     |                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">Honeywell DCP251 Digital Controller Programmer [pdf] User Guide</a><br>DCP251 Digital Controller Programmer, DCP251, Digital Controller Programmer, Controller Programmer, Programmer |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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